

**SR7000 /K1G, /N1G, /U1G**  
**/K1B, /N1B, /U1B**  
**SR8000 /K1G, /S1G, /U1B**  
**AV Surround Receiver**

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**marantz®**

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First Issue 2000.02

## MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, **MARANTZ** company has created the ultimate in stereo sound. Only original **MARANTZ** parts can insure that your **MARANTZ** product will continue to perform to the specifications for which it is famous.

Parts for your **MARANTZ** equipment are generally available to our National Marantz Subsidiary or Agent.

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Parts can be ordered either by mail or by Fax.. In both cases, the correct part number has to be specified.

The following information must be supplied to eliminate delays in processing your order :

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature : any order form or Fax. must be signed, otherwise such part order will be considered as null and void.

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3GA, HANGANG-RO, YONGSAN-KU, SEOUL  
KOREA  
PHONE : +822 - 3232 - 155  
FAX : +822 - 3232 - 154

### SHOCK, FIRE HAZARD SERVICE TEST :

**CAUTION :** After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins ( with unit NOT connected to AC mains and its Power switch ON ), and the face or Front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

Ref. UL Standard No. 1492.

In case of difficulties, do not hesitate to contact the Technical  
Department at above mentioned address.

## 1. TECHNICAL SPECIFICATIONS

### FM TUNER SECTION

Frequency Range .....	87.5 - 108.0 MHz
Usable Sensitivity .....	IHF 1.8 $\mu$ V/16.4 dBf
Signal to Noise Ratio .....	Mono/Stereo 76/72 dB
Distortion .....	Mono/Stereo 0.2 / 0.3 %
Stereo Separation .....	1 kHz 45 dB
Alternate Channel Selectivity .....	$\pm$ 400 kHz 60 dB (U version) $\pm$ 300 kHz 60 dB (K, N, S version)
Image Rejection .....	98 MHz 70dB
Tuner Output Level .....	1 kHz, 75 kHz Dev 800 mV (U version) 1 kHz, 40 kHz Dev 800 mV (K, N, S version)

### AM TUNER SECTION

Frequency Range .....	AM : 520 - 1710 kHz (U version) AM : 531 - 1602 or 520 - 1710 kHz (K version) AM : 531 - 1602 kHz (S version) LW : 152-282 kHz / MW : 531 - 1602 kHz (N version)
Signal to Noise Ratio .....	50 dB
Usable Sensitivity .....	Loop 400 $\mu$ V
Distortion .....	400 Hz, 30% Mod. 0.5%
Selectivity .....	$\pm$ 20 kHz 70 dB (U version) $\pm$ 18 kHz 70 dB (K, N, S version)

### AUDIO SECTION

Rated Power (SR7000)	
Stereo Mode FRONT (20 Hz - 20 kHz) .....	8 ohms 100W / Ch (2ch driven)
Center (40 Hz - 20 kHz) .....	8 ohms 100W / Ch
Surround .....	8 ohms 100W / Ch
Rated Power (SR8000)	
Stereo Mode FRONT (20 Hz - 20 kHz) .....	8 ohms 105W / Ch (2ch driven)
Center (40 Hz - 20 kHz) .....	8 ohms 105W / Ch
Surround .....	8 ohms 105W / Ch
THD Front (20 Hz - 20 kHz) .....	8 ohms 0.05%
Input Sensitivity/Impedance	
Linear .....	350mV/47 kohms
Signal to Noise Rate ( IHF A )	
Linear .....	105 dB
Dolby Surround Adjacent Channels Separation .....	55 dB

### VIDEO

Television Format .....	NTSC (U version) PAL/NTSC (K, N, S version)
Input Level/Impedance .....	1 Vp-p/75 ohms
Output Level/Impedance .....	1 Vp-p/75 ohms
Video Frequency Response .....	5 Hz to 8 MHz ( - 1 dB)
S/N .....	60 dB

### GENERAL

Power Requirement .....	AC 120V 60 Hz (U version) AC 220 50/60 Hz (K version) AC 230V 50 Hz (N, S version)
Power Consumption .....	360W
Dimension ( MAX )	
Width .....	17-1/4 inches (440 mm)
Width (SR8000 U only) .....	18 inches (458 mm)
Height .....	6-1/4 inches (159 mm)
Depth .....	18-1/8 inches (460 mm)
Weight (SR7000) .....	33.1 lds. (14.5 kg)
Weight (SR8000) .....	32.0 lds. (15 kg)

### ACCESSORIES

Remote Control Unit RC7000SR (SR7000) .....	1
Remote Control Unit RC-18SR (SR8000) .....	1

### Dolby Digital(AC-3) SECTION

Output Level ( Master Volume is set 0dB )	
Front L/R, CENTER, SURROUND L/R	
1 KHz, 0 dB FS INPUT .....	1.1V
SUBWOOFER	
40 Hz, 0 dB FS INPUT .....	3.8V

### Frequency Response

Front L/R, CENTER, SURROUND L/R ( LARGE )	
20 Hz - 20 KHz .....	-1dB

### Total Harmonic Distortion

Front L/R, CENTER, SURROUND L/R ( 1 KHz ) .....	0.01% or less
SUBWOOFER ( 40 Hz ) .....	0.07% or less
Signal to Noise Ratio ( IHF-A ) .....	96 dB
Channel Separation ( 1 KHz ) .....	70 dB

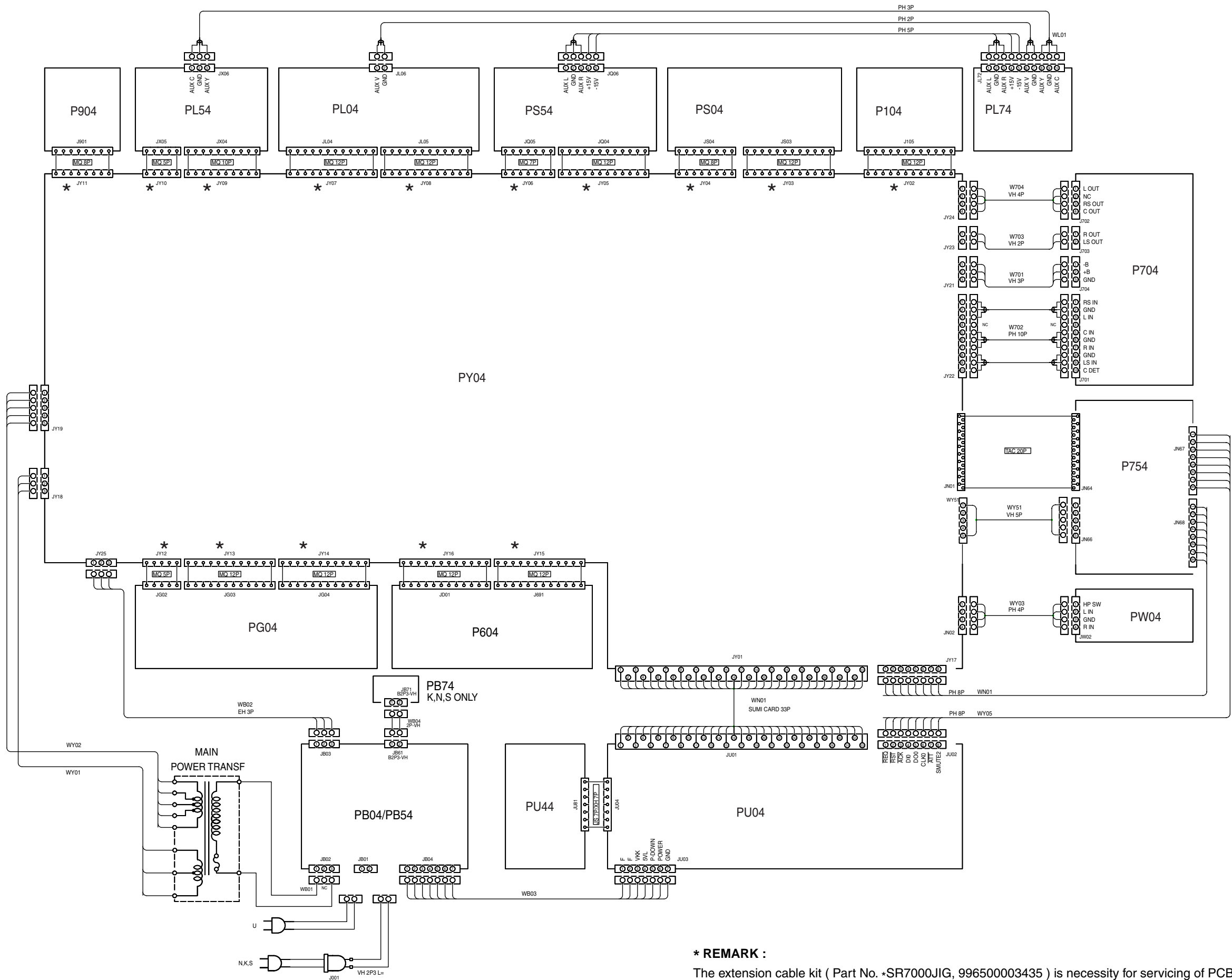
Specifications subject to change without prior notice.

## Remark : Bass signal output from Sub Woofer terminal for SR7000/SR8000

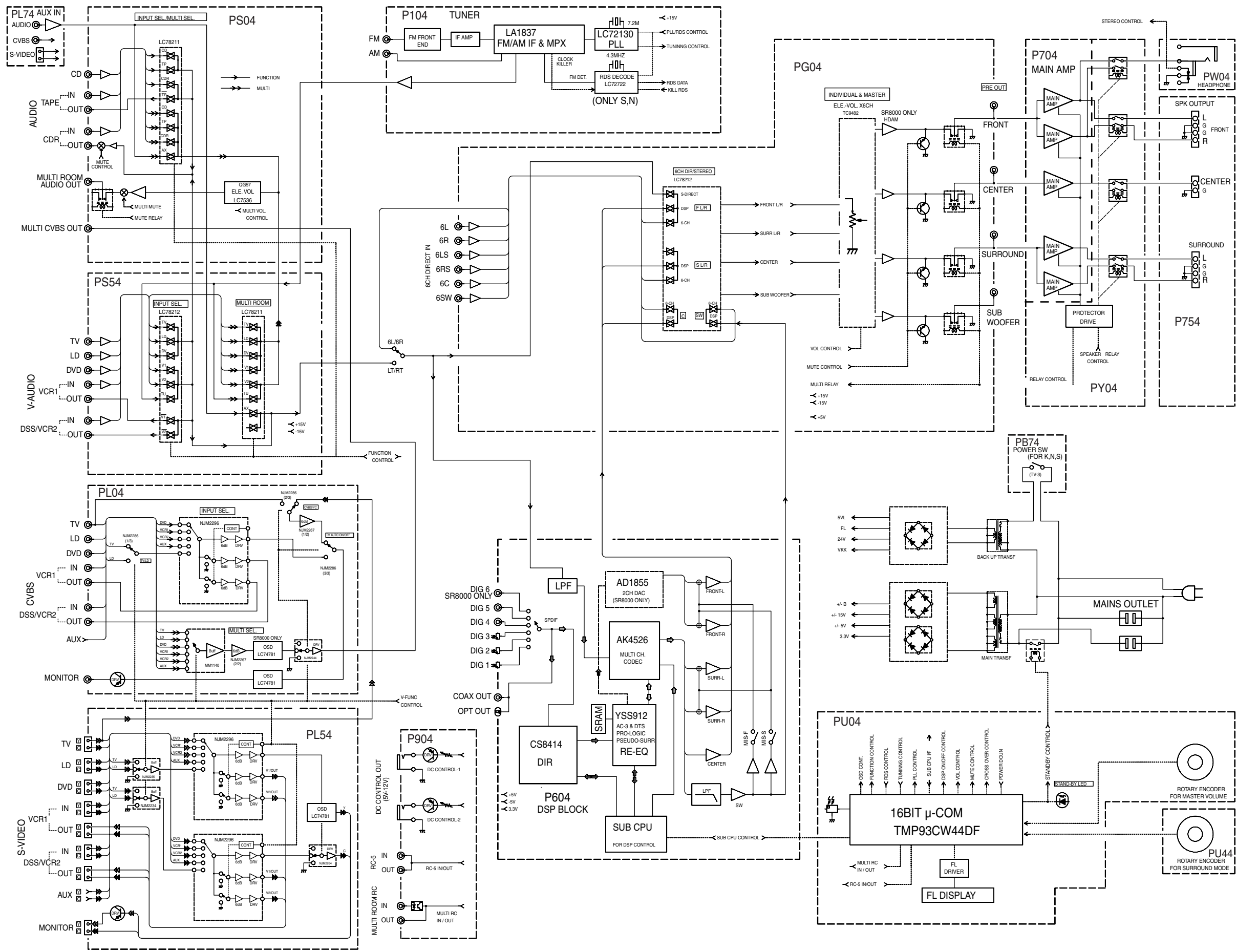
Sub woofer output is not active while all surround modes. Please refer to the following table.

SPK setup				SubWoofer Output				
Sub Woofer	Front	Center	Rear	Dolby Digital DTS	Dolby (Pro Logic)	Hall , Matrix Movie, 5Stereo	Stereo	Source Direct
Yes	Large	Large	Large	LFE	none	L+R	L+R	LFE
			Small	LFE+LS+RS	none	L+R	L+R	LFE
			None	LFE	none	L+R	L+R	LFE
		Small	Large	LFE+C	C	L+R	L+R	LFE
			Small	LFE+C+LS+RS	C	L+R	L+R	LFE
			None	LFE+C	none	L+R	L+R	LFE
		None	Large	LFE	none	L+R	L+R	LFE
			Small	LFE+LS+RS	none	L+R	L+R	LFE
			None	LFE	none	L+R	L+R	LFE
	Small	Large	Large	LFE+L+R	L+R	L+R	L+R	LFE
			Small	LFE+L+R+LS+RS	L+R	L+R	L+R	LFE
			None	LFE+L+R	L+R	L+R	L+R	LFE
		Small	Large	LFE+L+R+C	L+R+C	L+R	L+R	LFE
			Small	LFE+L+R+C+LS+RS	L+R+C	L+R	L+R	LFE
			None	LFE+L+R+C	L+R+C	L+R	L+R	LFE
		None	Large	LFE+L+R	L+R	L+R	L+R	LFE
			Small	LFE+LS+RS	L+R	L+R	L+R	LFE
			None	LFE+L+R	L+R	L+R	L+R	LFE
None	Large	Large	Large	none	none	none	none	LFE
			Small	none	none	none	none	LFE
			None	none	none	none	none	LFE
		Small	Large	none	none	none	none	LFE
			Small	none	none	none	none	LFE
			None	none	none	none	none	LFE
		None	Large	none	none	none	none	LFE
			Small	none	none	none	none	LFE
			None	none	none	none	none	LFE
	Small	Large	Large	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited
			Small	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited
			None	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited
		Small	Large	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited
			Small	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited
			None	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited
		None	Large	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited
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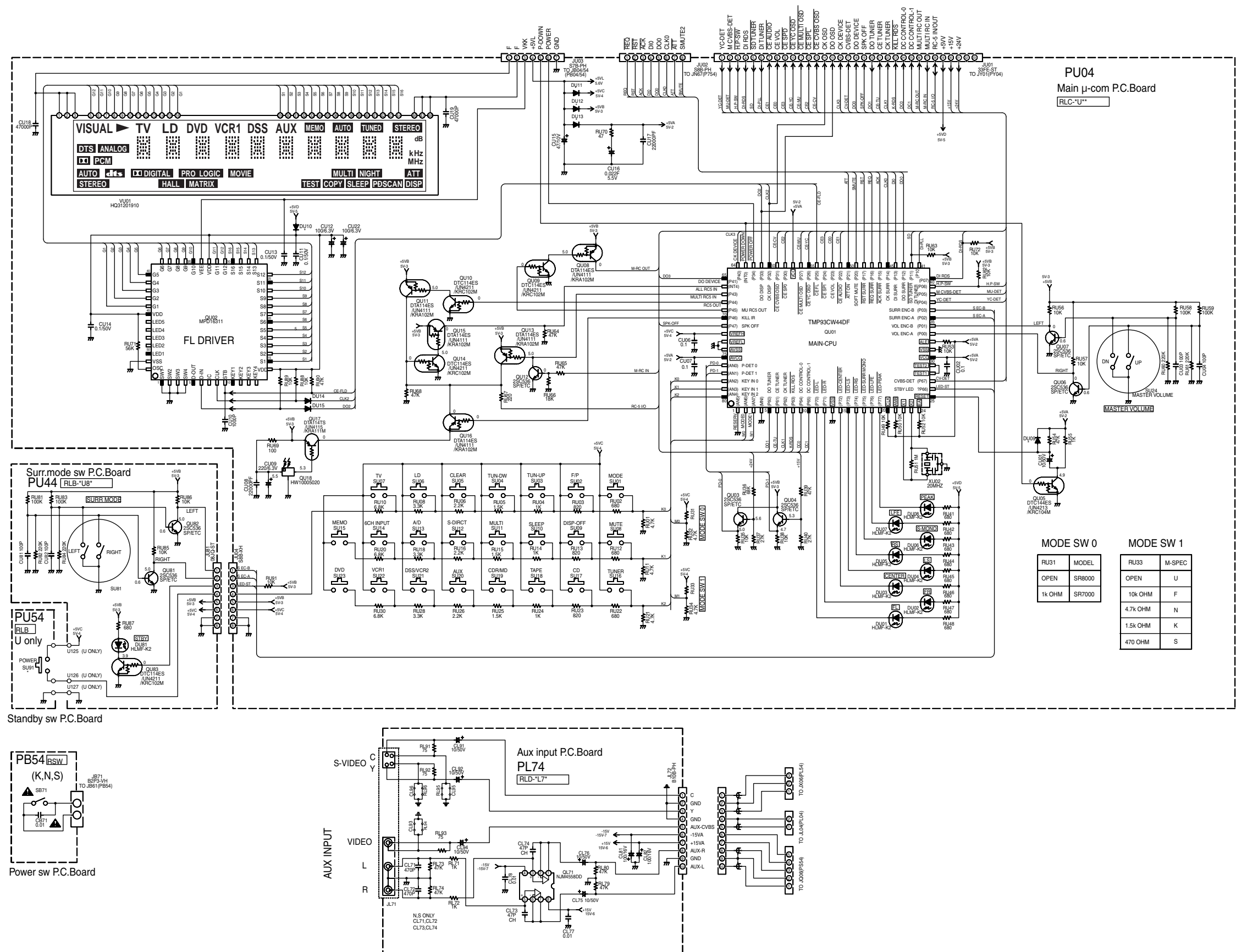
# 2. WIRING DIAGRAM



3. BLOCK DIAGRAM



#### 4. SCHEMATIC DIAGRAM

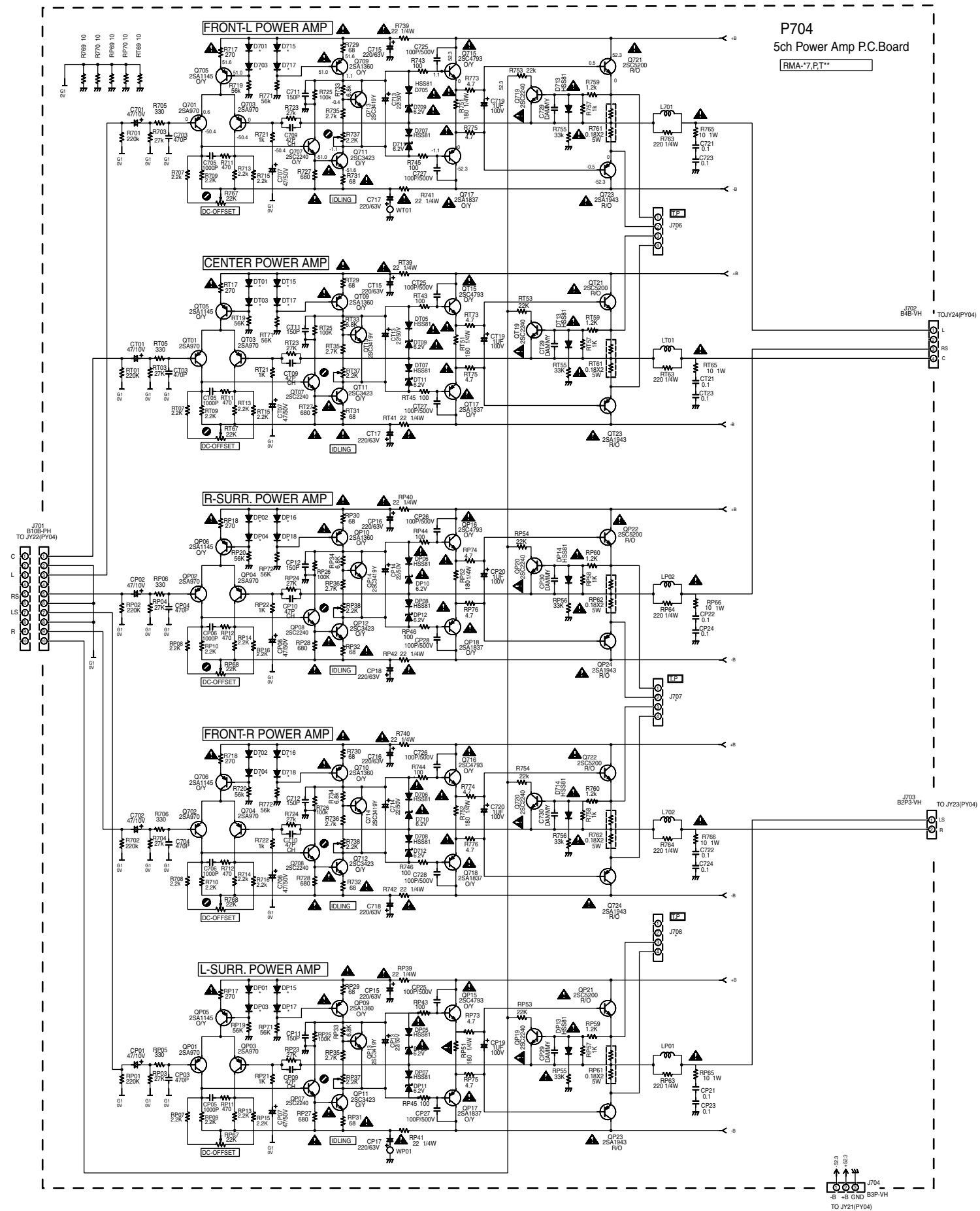












6CH DIRECT IN

FRONT-L

FRONT-R

SURR-L

SURR-R

CENTER

SUB WOOFER

PG04

6ch/Preout P.C.Board

SR8000

2CH/DSP/6CH SELECTOR

6CH ELE VOL

RVR-XGXX

RHD-XXXX

QM59

QM60

PRE-OUT

FRONT-L

FRONT-R

SURR-L

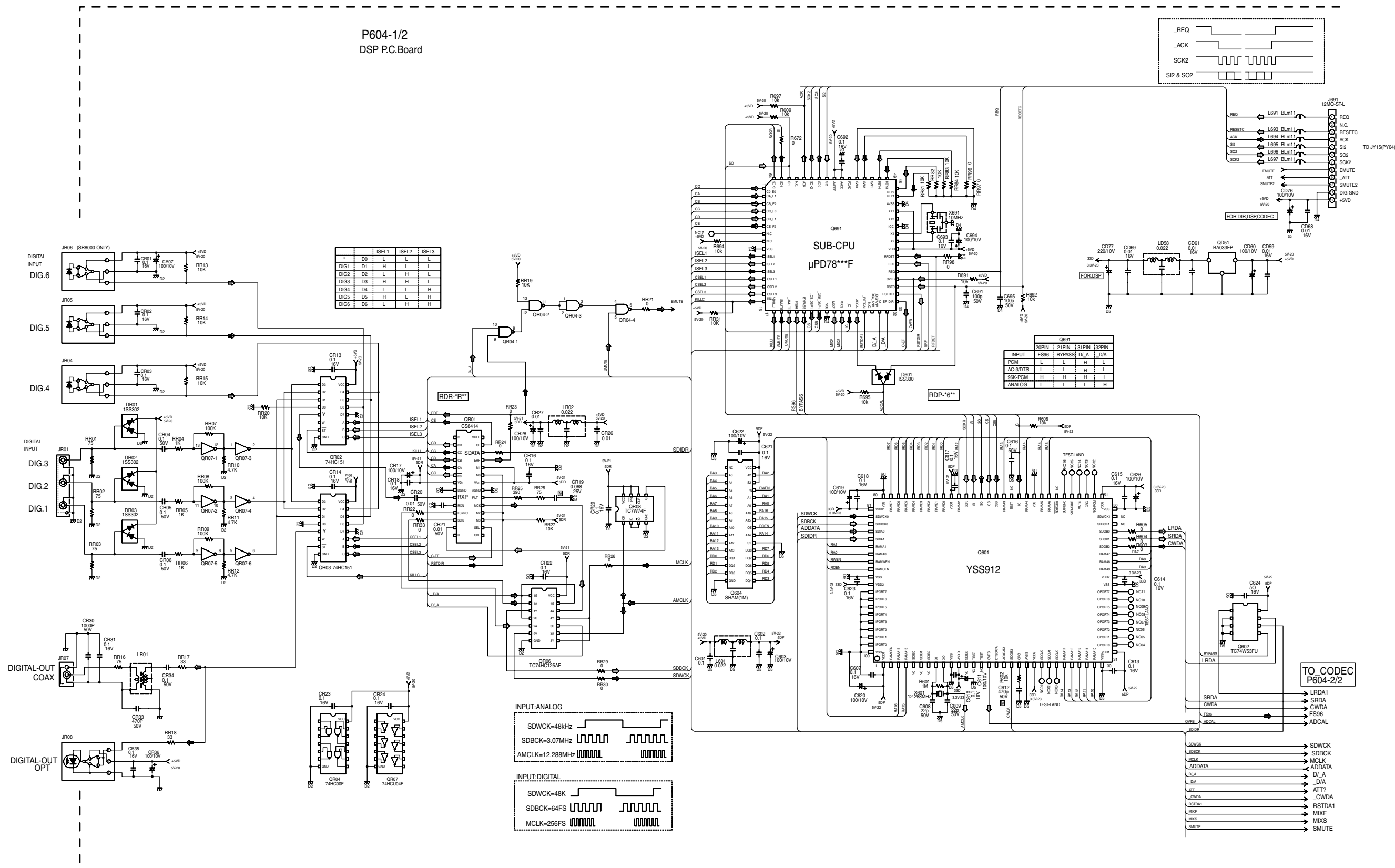
SURR-R

CENTER

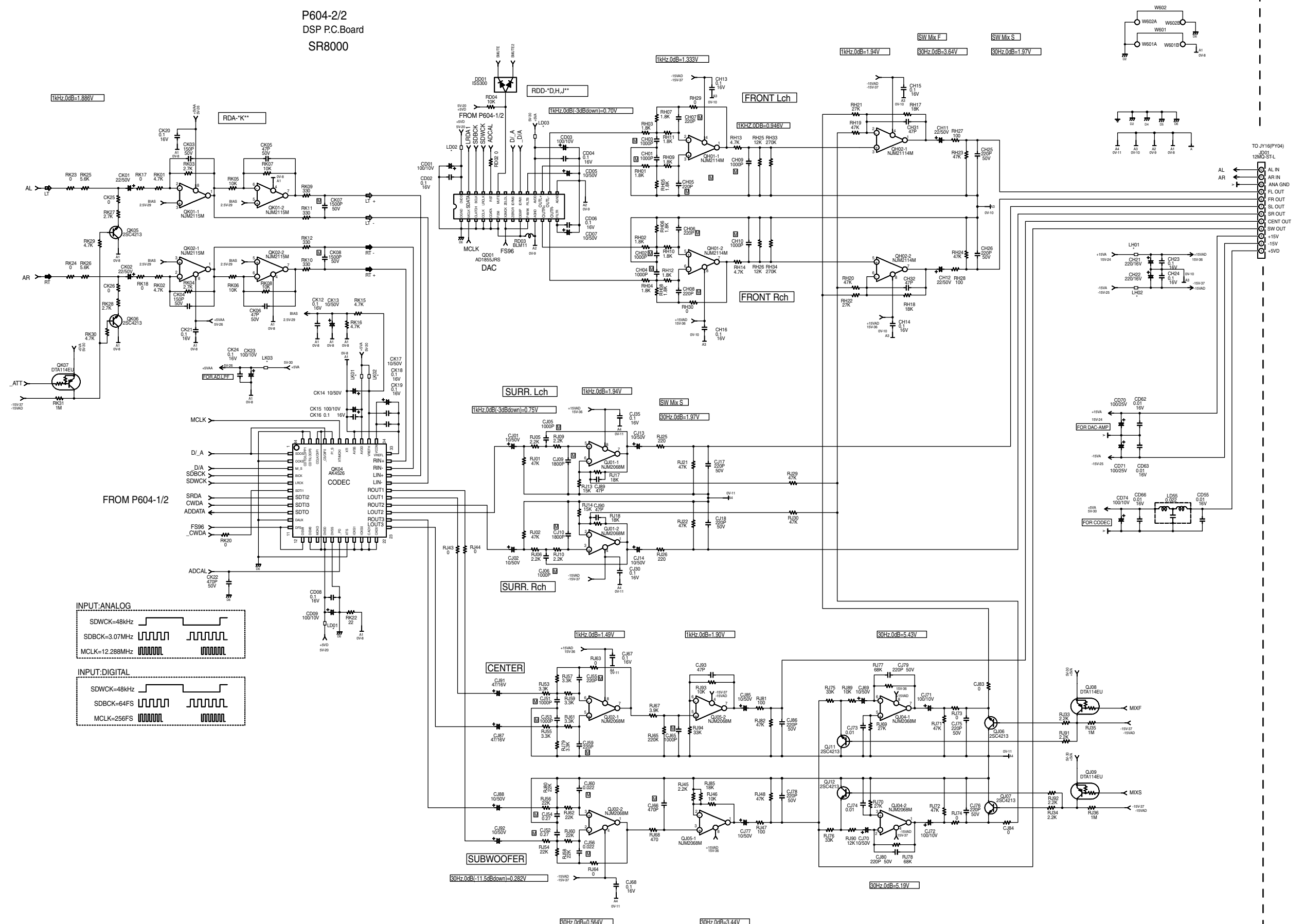
SUB WOOFER





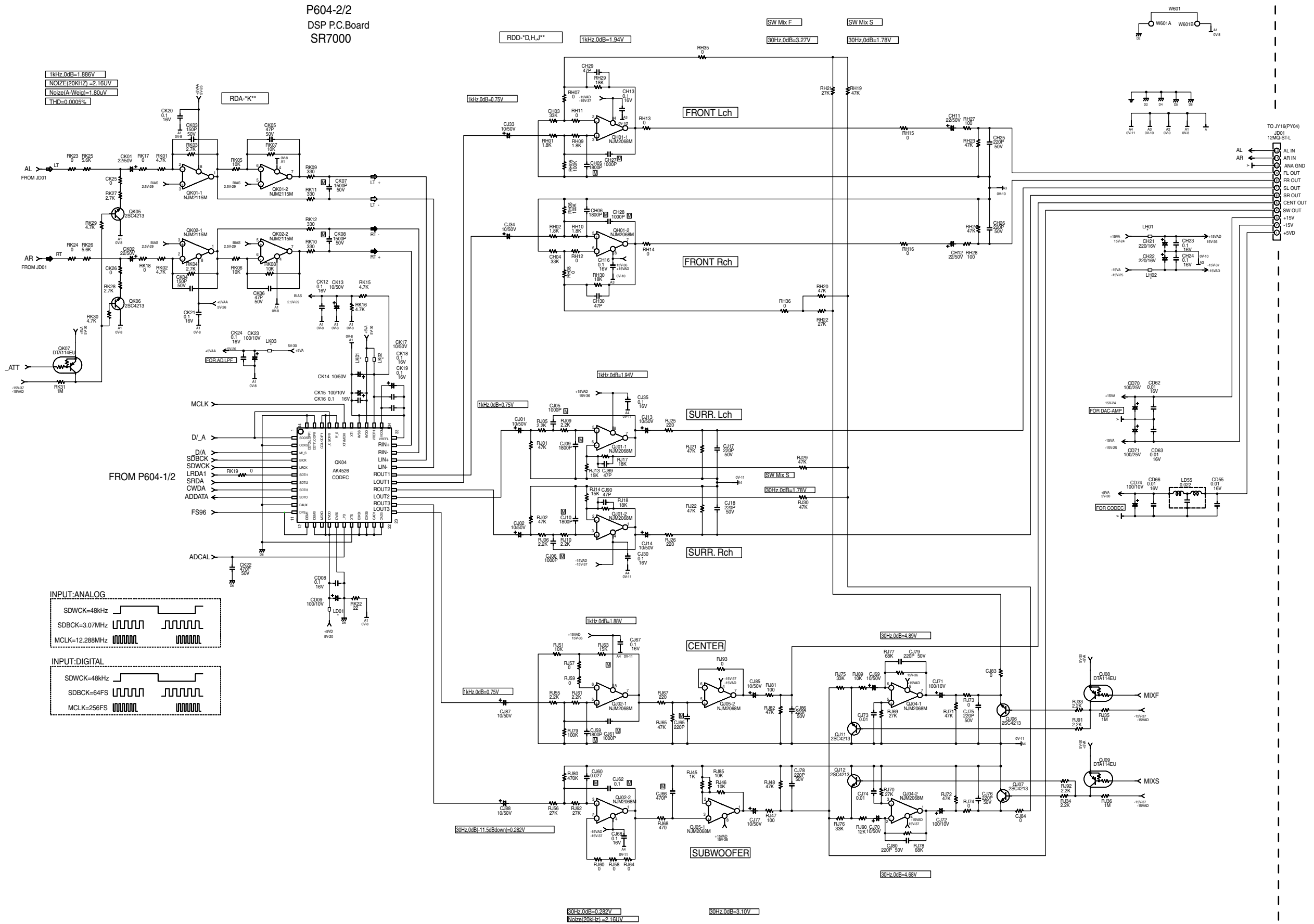


P604-2/2  
DSP P.C.Board  
SR8000





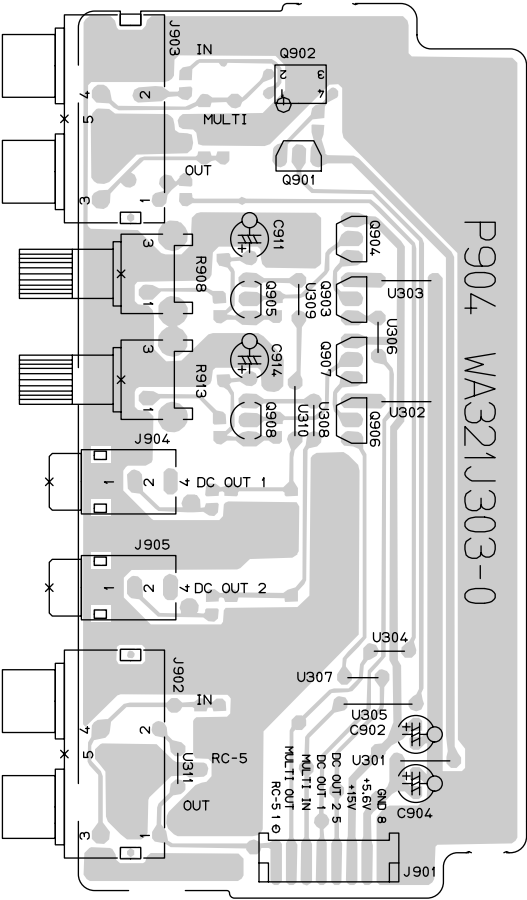
P604-2/2  
DSP P.C.Board  
SR7000





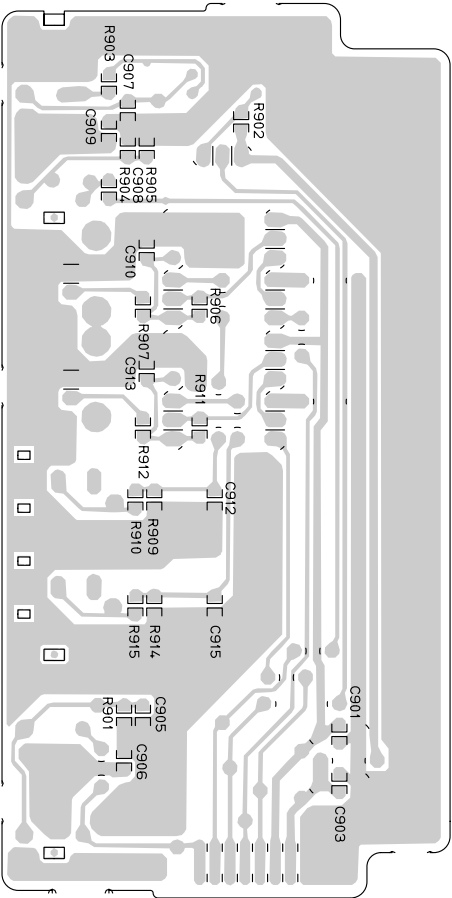
5. PARTS LOCATION

P904 (COMPONENT SIDE VIEW)

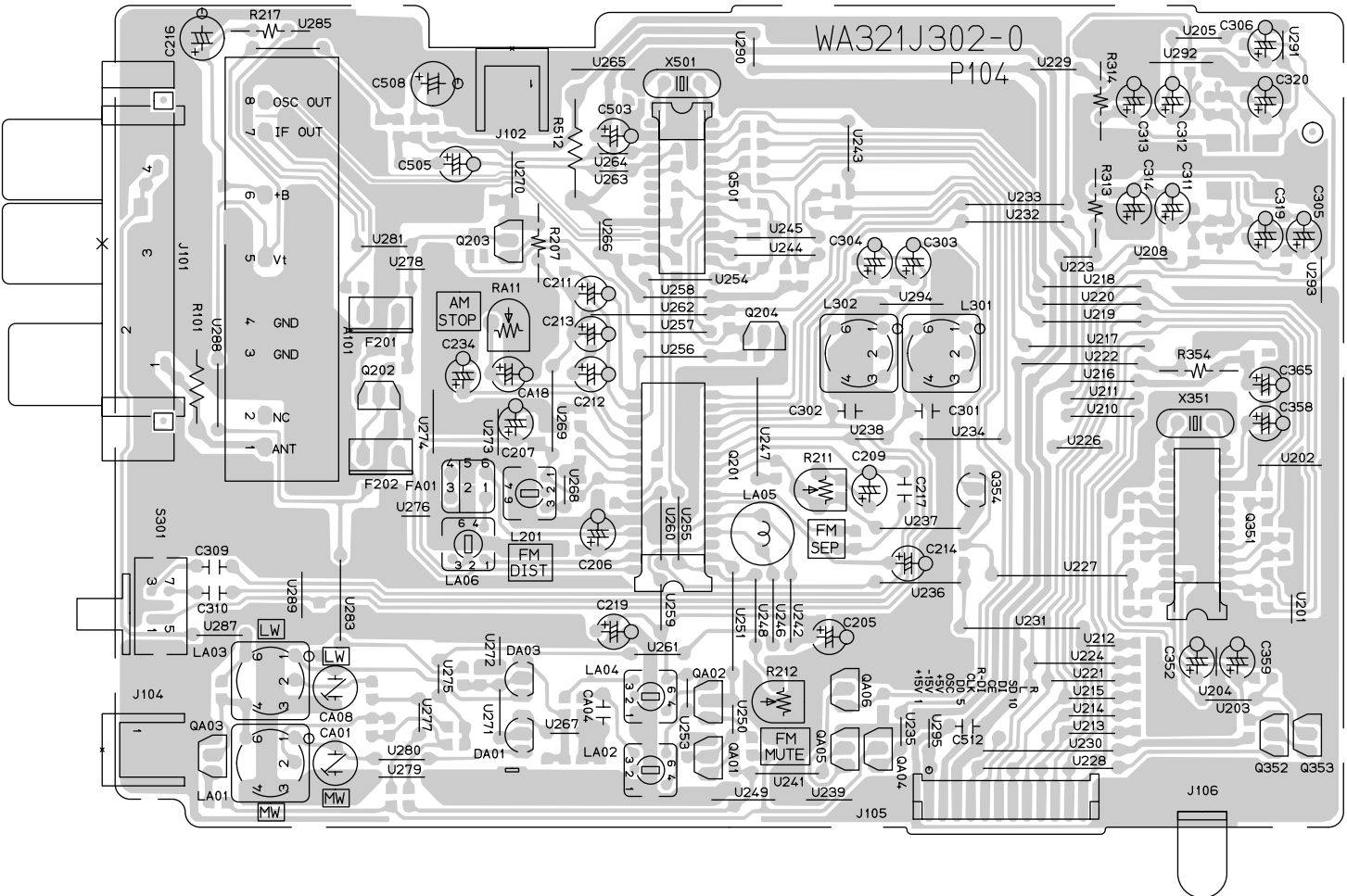


Q901  
Q904  
Q903  
Q907  
Q908 Q906

P904 (COPPER SIDE VIEW)

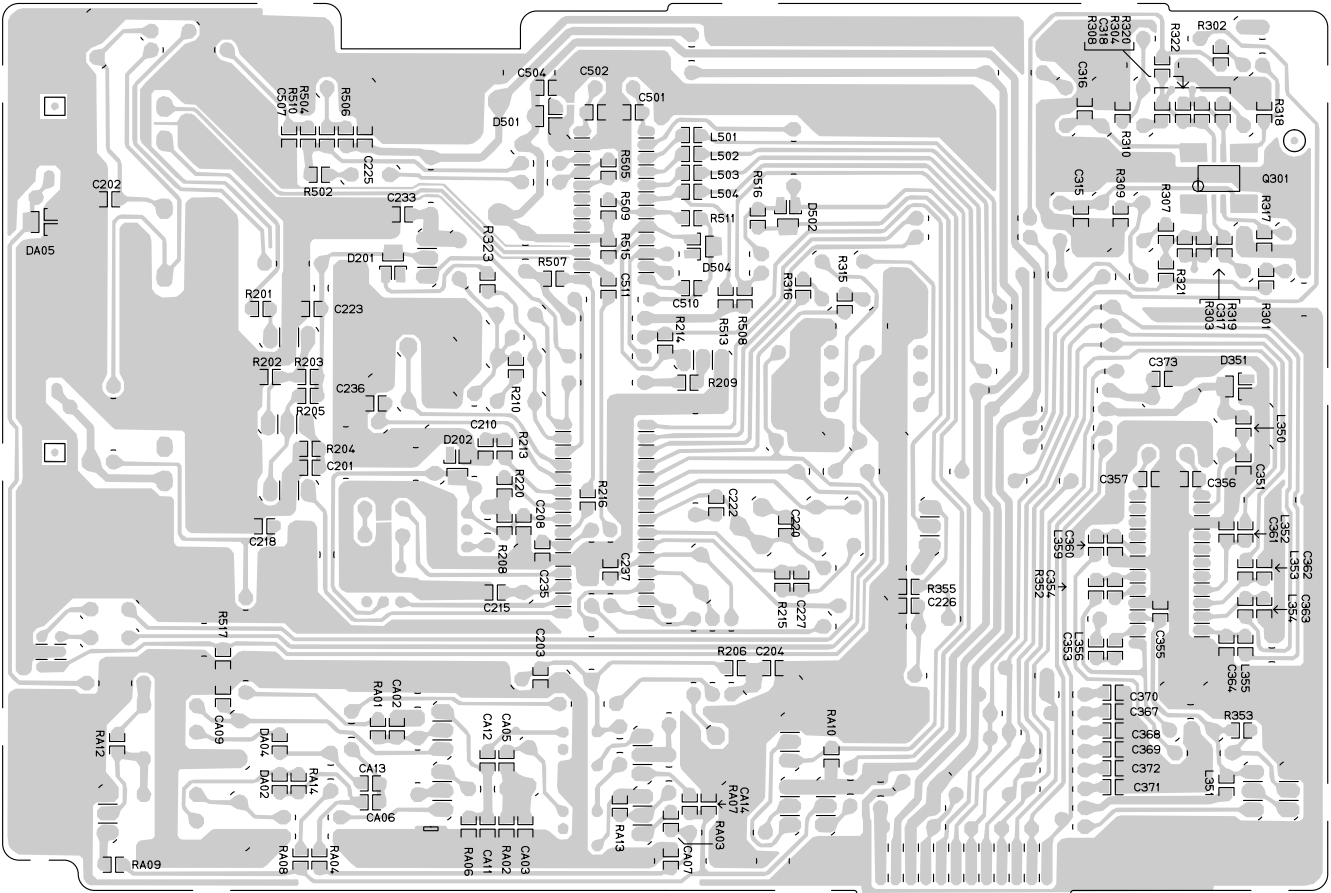


P104 (COMPONENT SIDE VIEW) Q202 Q203



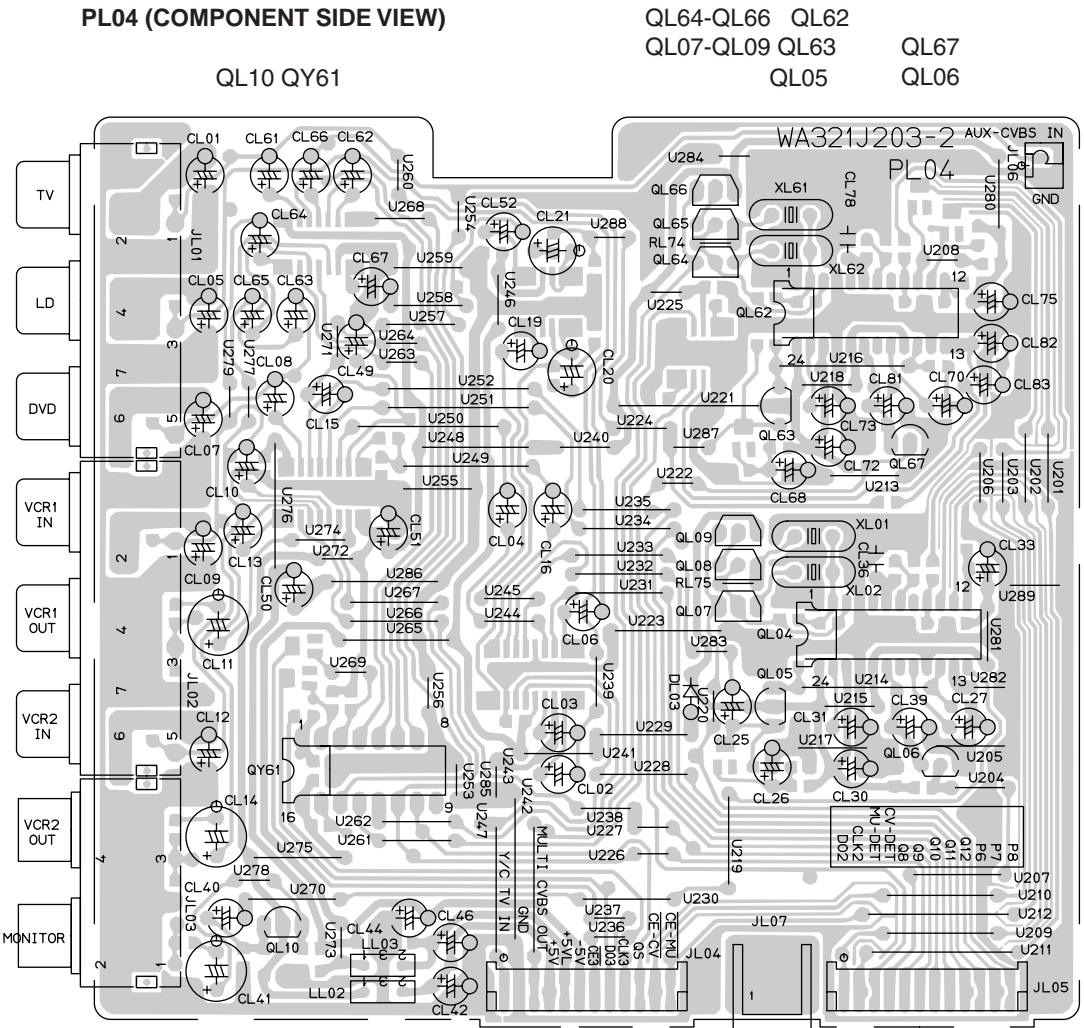
Q201 Q204 Q354 Q351  
QA02 QA01 QA04-QA06 Q352 353

P104 (COPPER SIDE VIEW)



Q301

PL04 (COMPONENT SIDE VIEW)

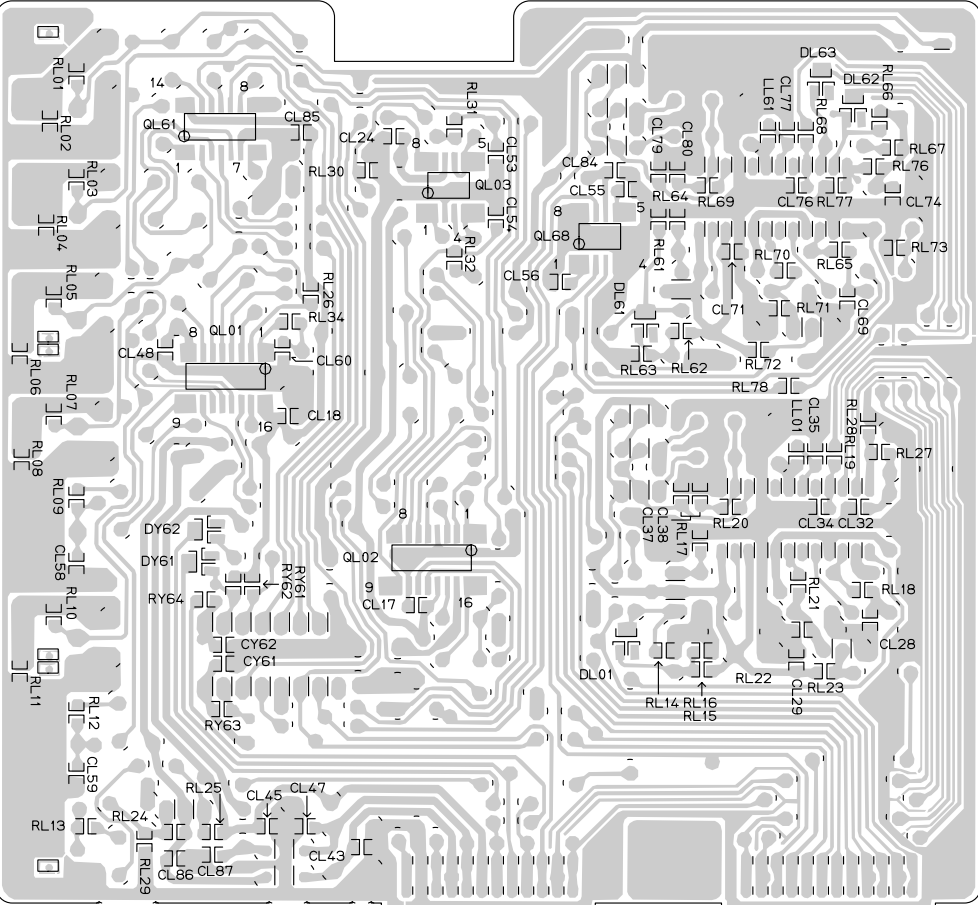


PL04 (B)

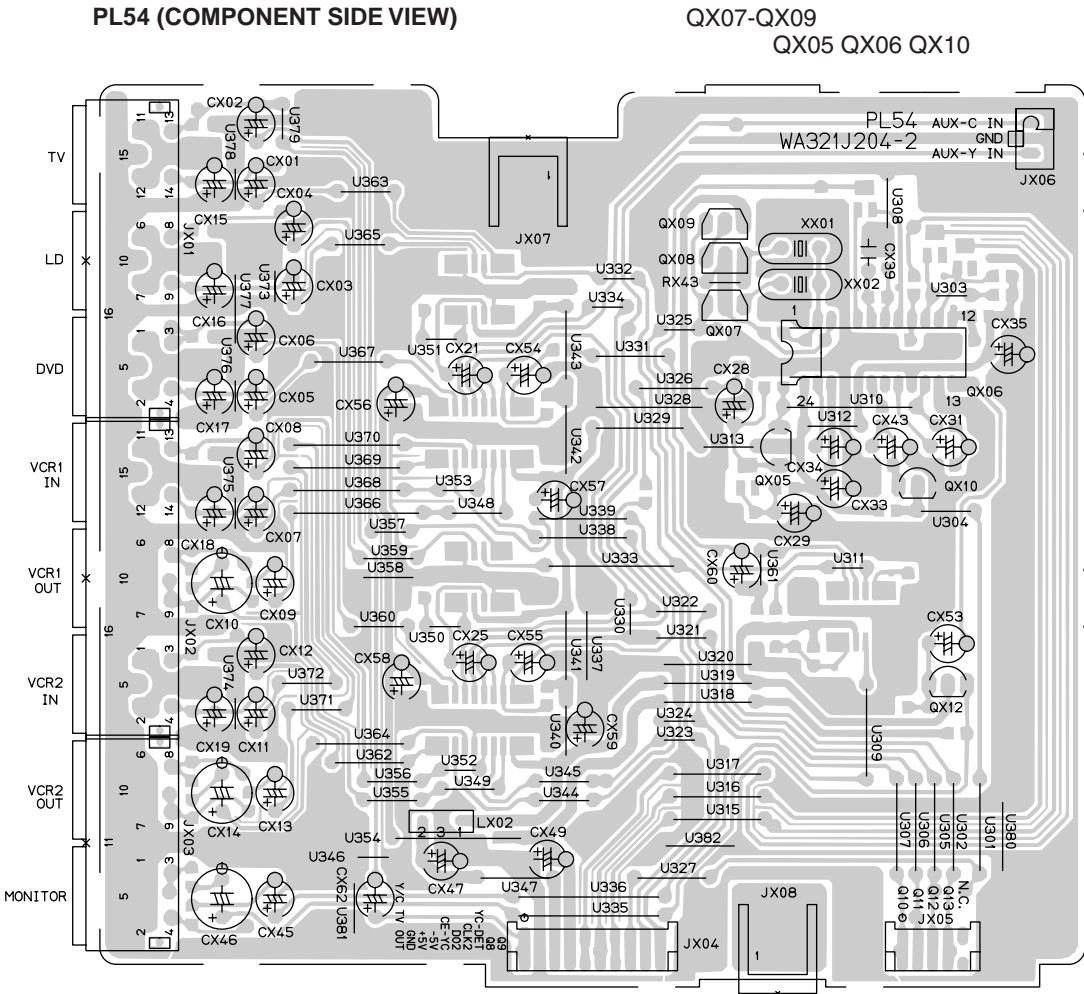
QL61  
QL01

QL03  
QL02

QL68



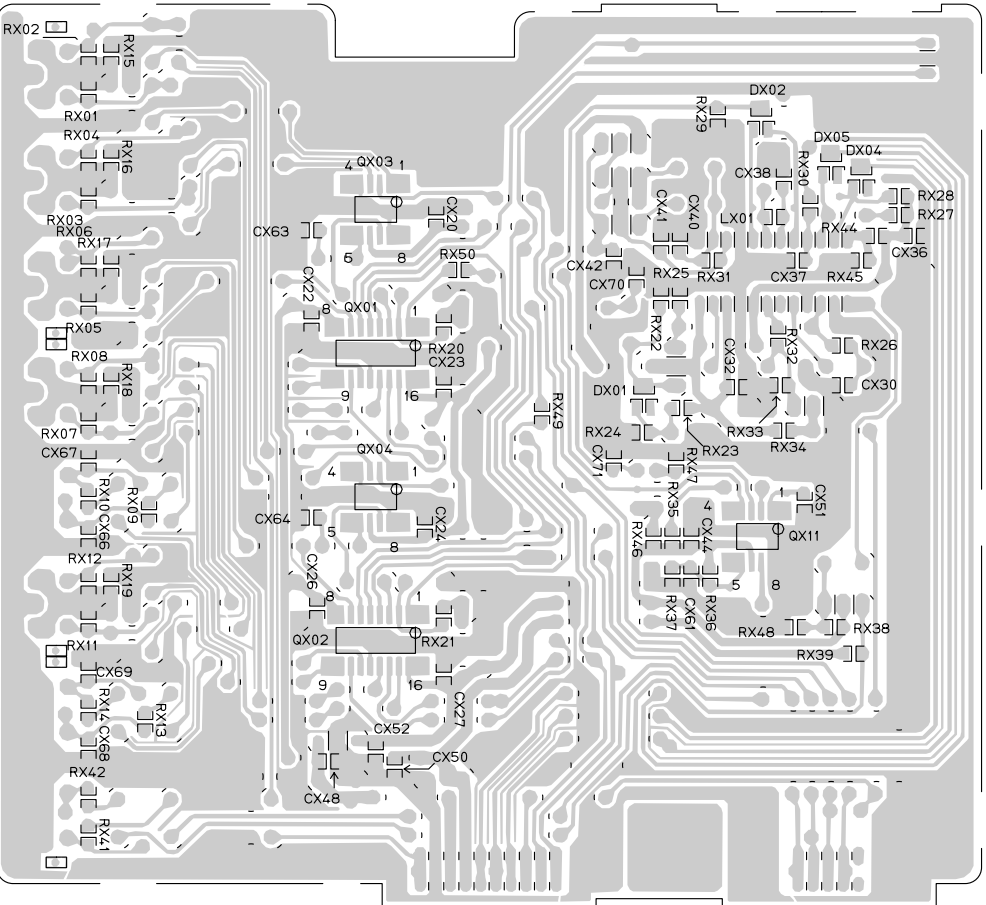
PL54 (COMPONENT SIDE VIEW)



PL54 (B)

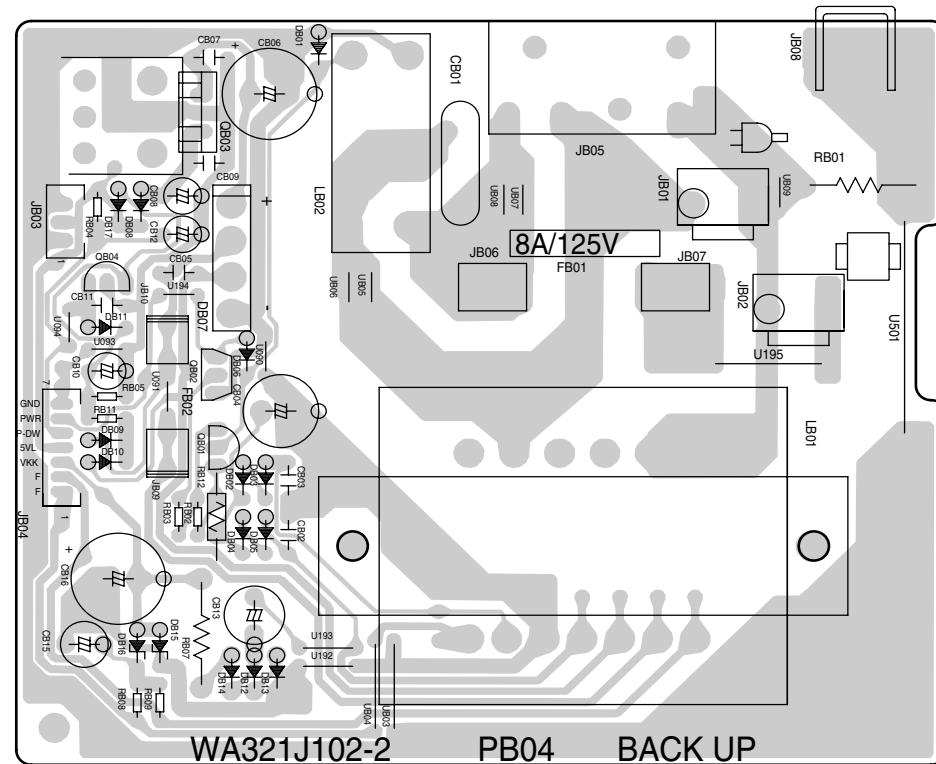
QX01 - QX04

QX11

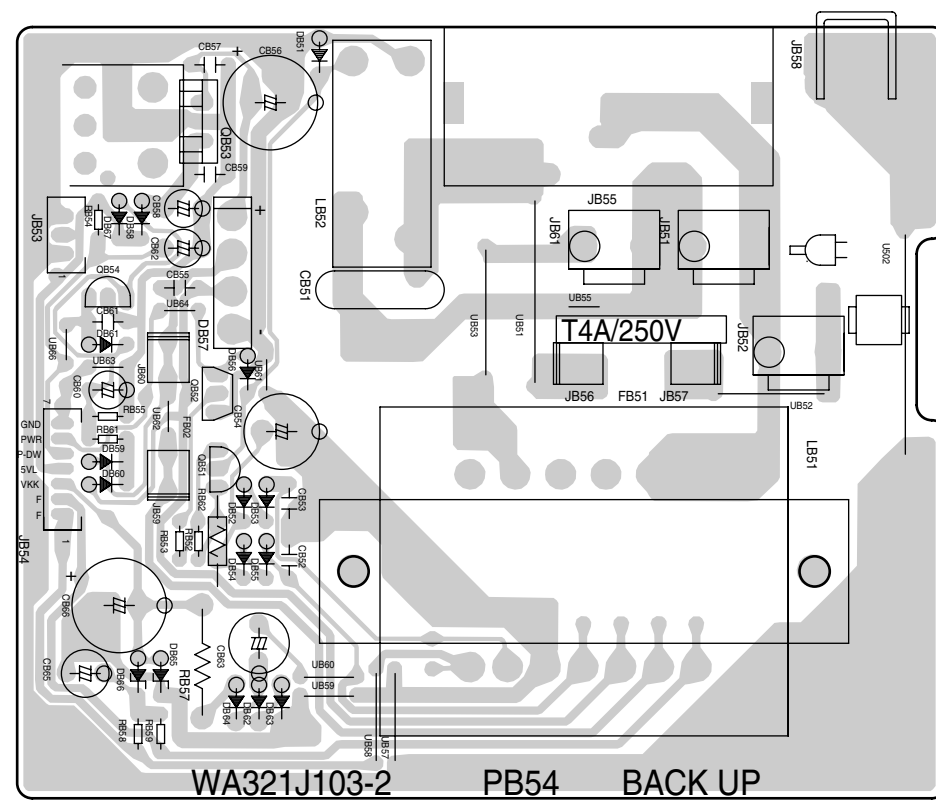




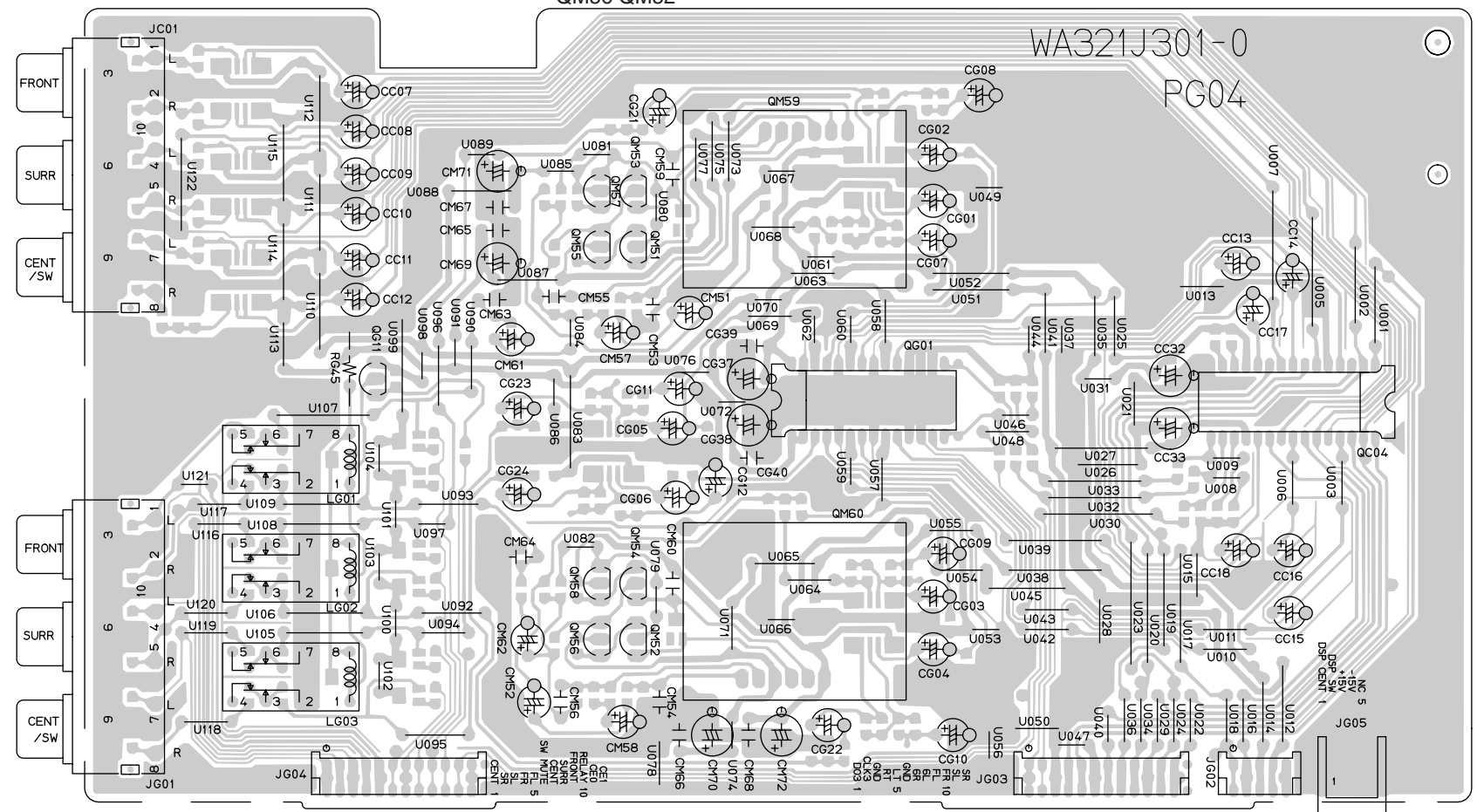
QB03  
QB04 QB02 QB01



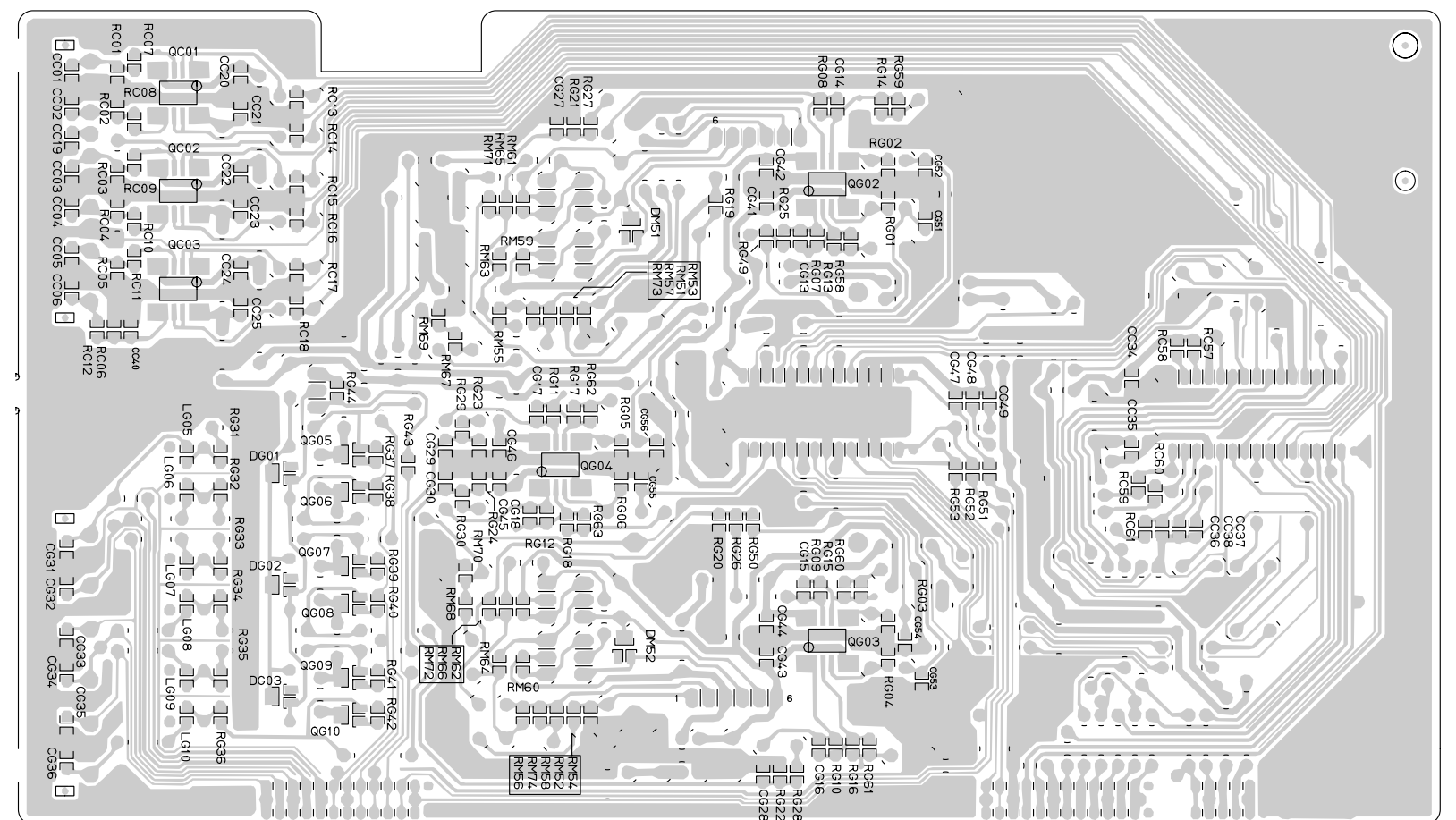
QB53  
QB54 QB52 QB51

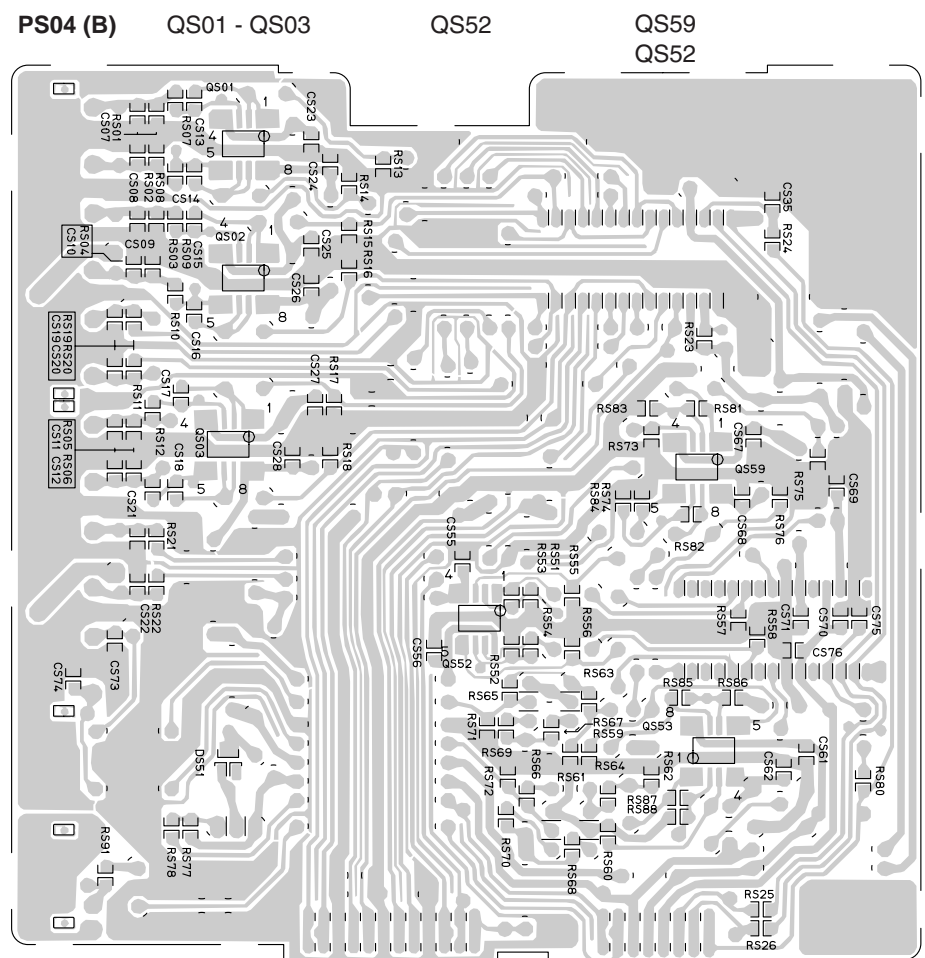
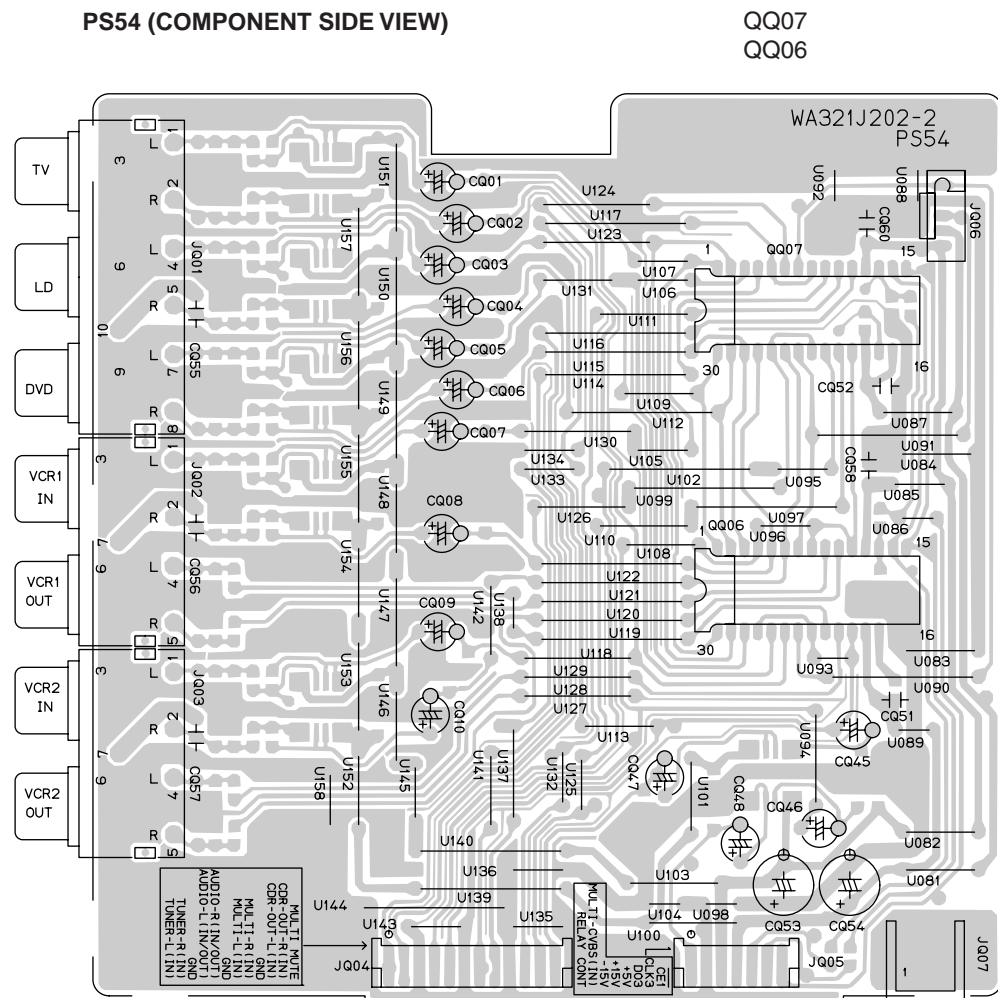
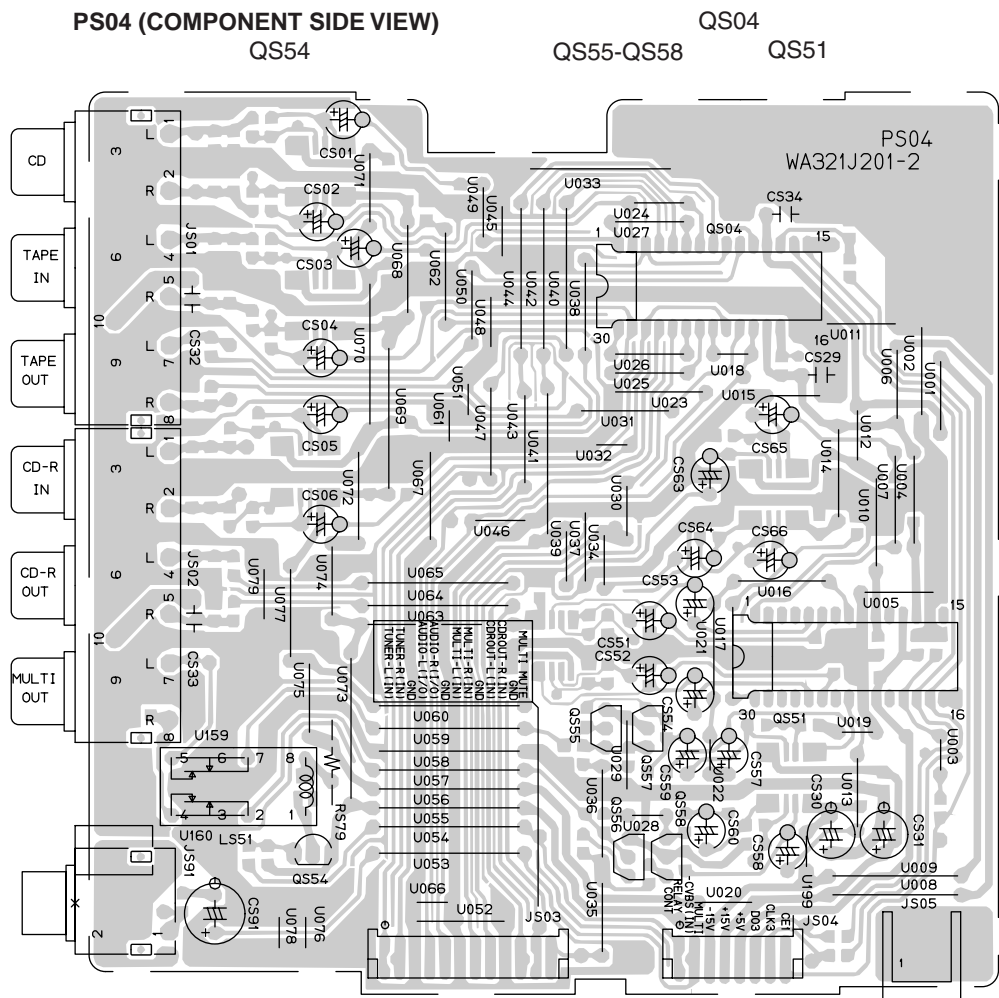


### PG04 (COMPONENT SIDE VIEW)

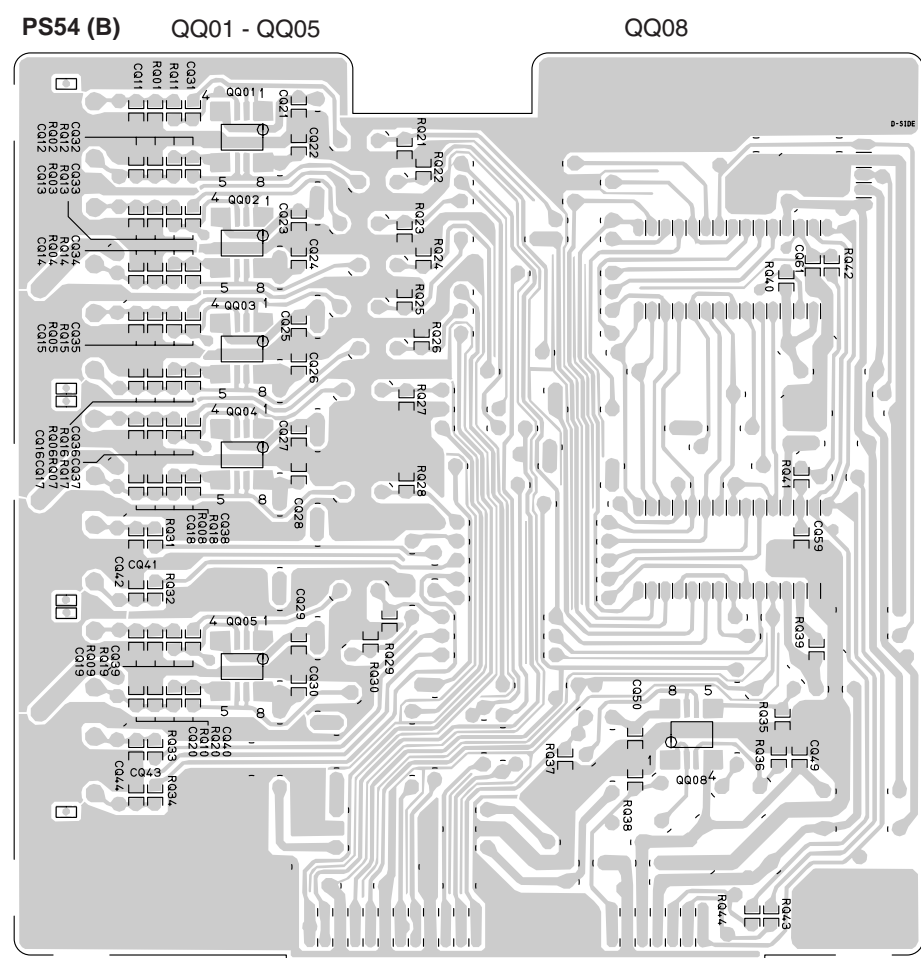


**PG04**      QC01 - QC03  
**(COPPER SIDE VIEW)**    QG05 - QG10





**(B) : (COPPER SIDE VIEW)**





# **P604 (COMPONENT SIDE VIEW)**

QJ12 QJ07 QJ06 QJ11 QJ04

QJ05

QJ01

QJ02

QD01

Q602

Q604

Q601

QK04

QD51

QR04

QR06

QR01 QR08

QR02

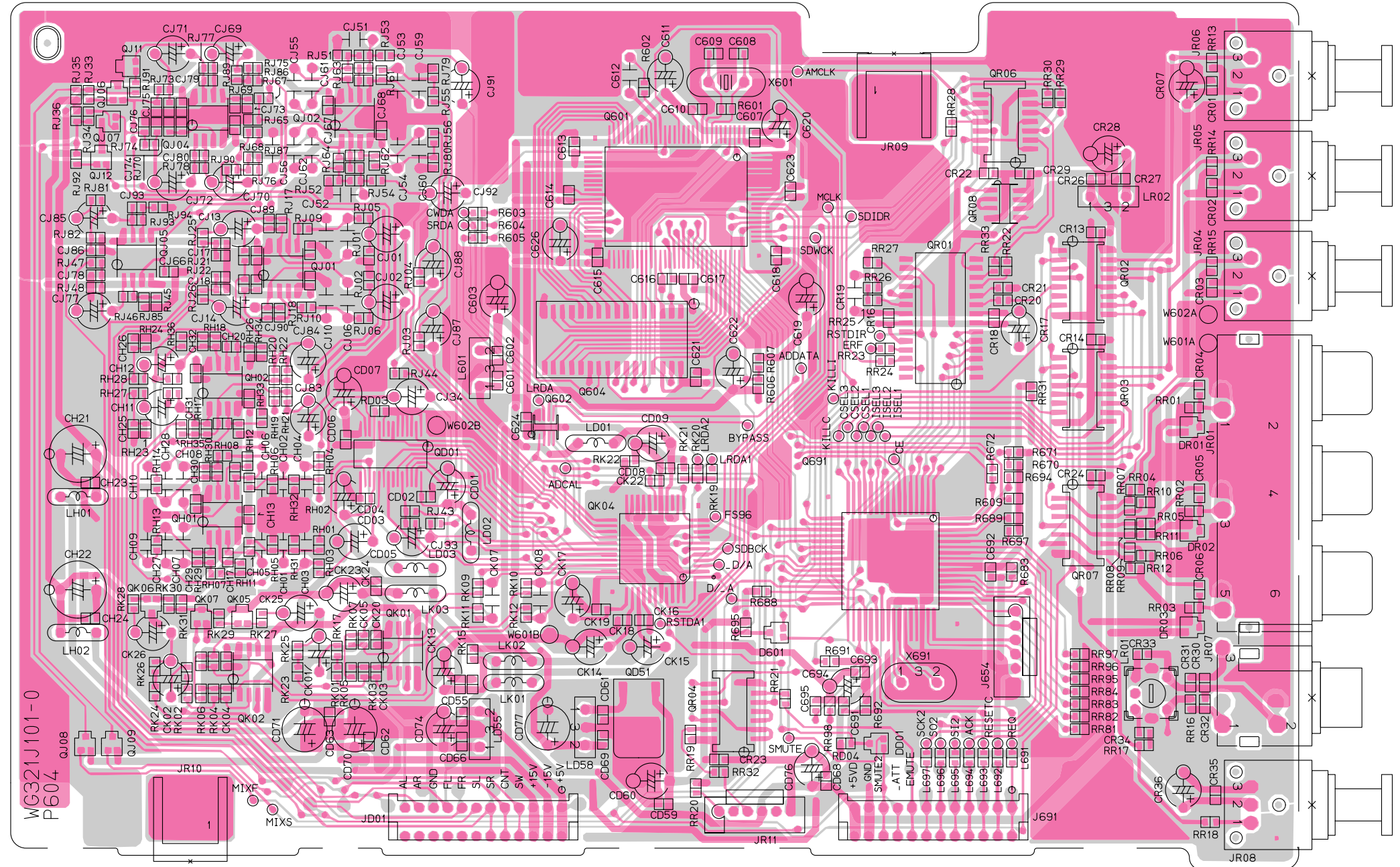
QR03

QR07

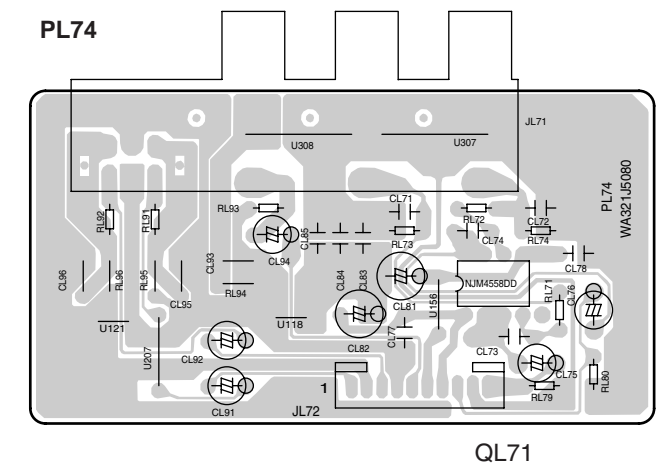
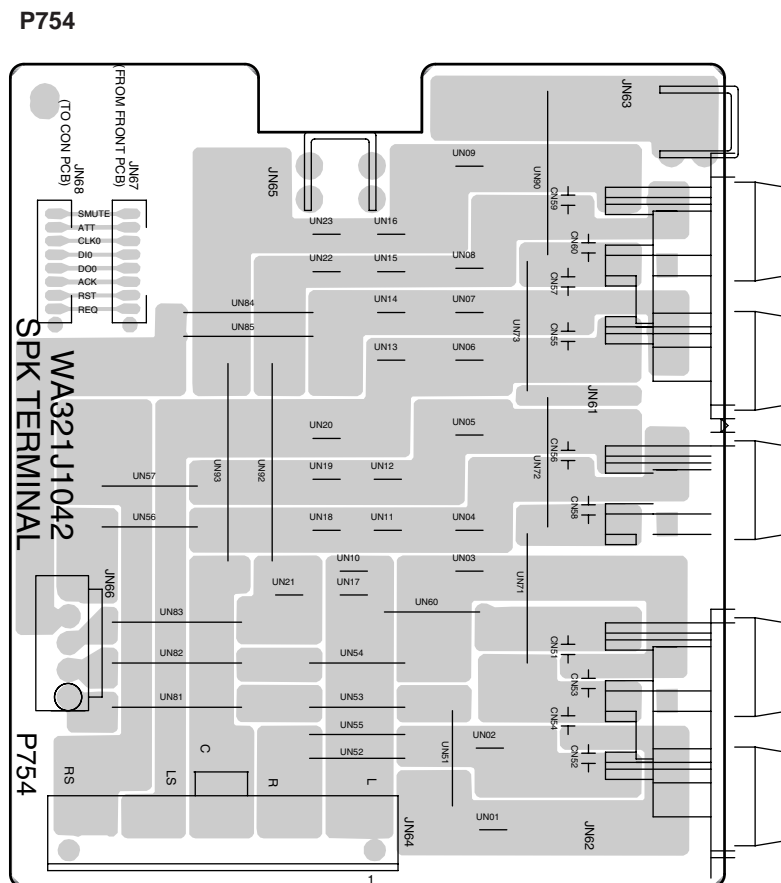
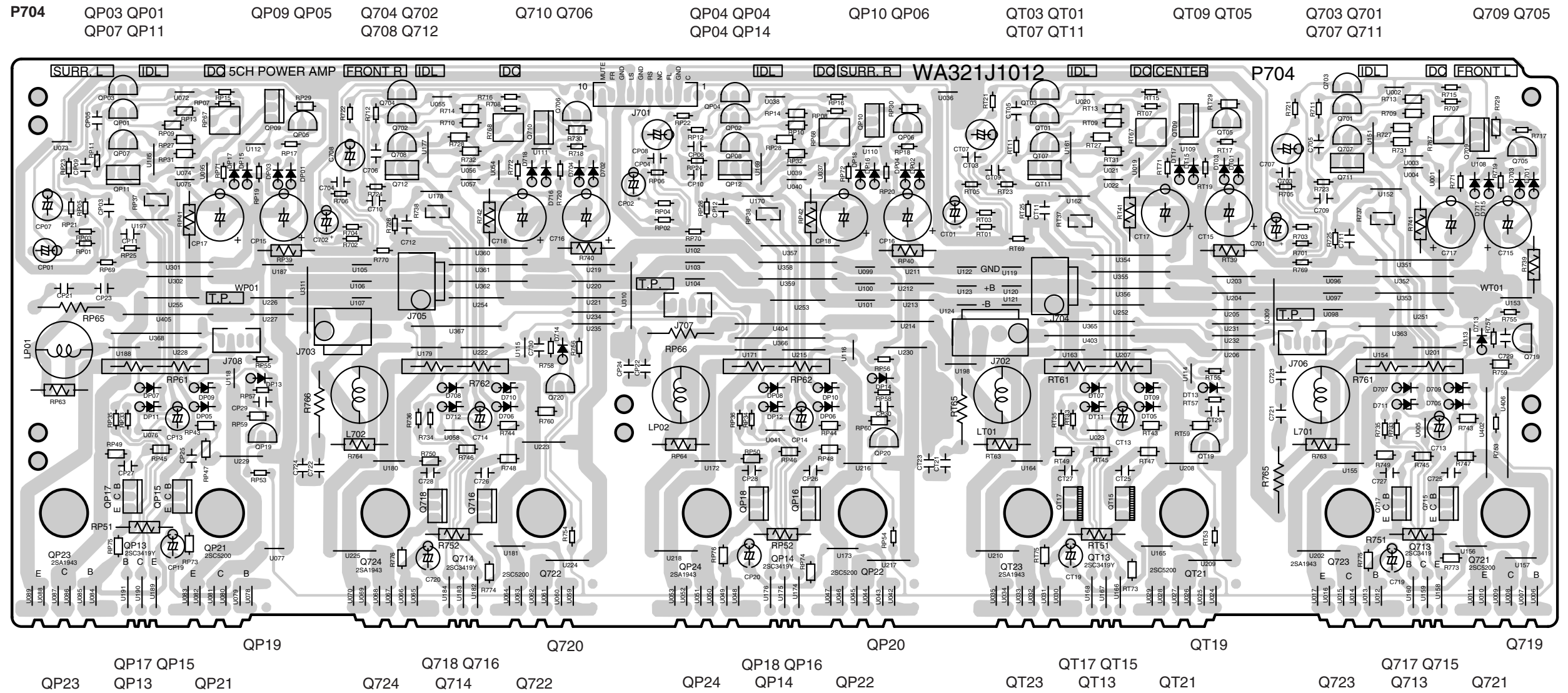
QJ08 QJ09

QK07 QK056 QK02

QK01



### ALL COPPER SIDE VIEW





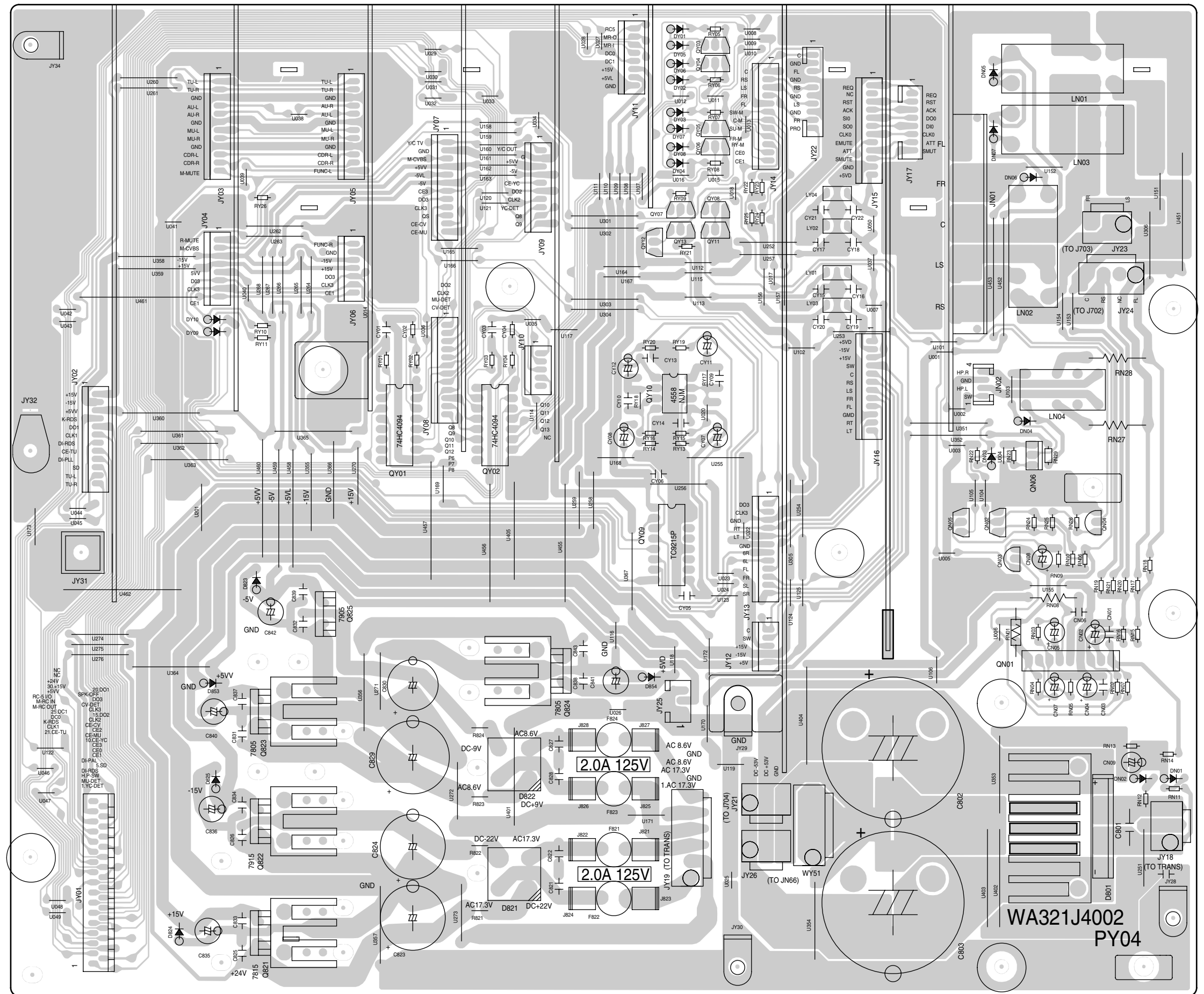
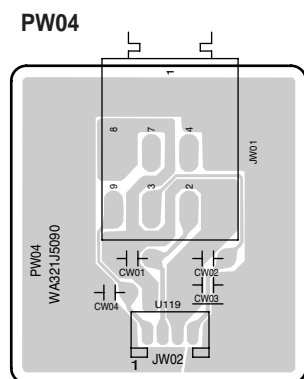
**PY04**

Q821 - Q823

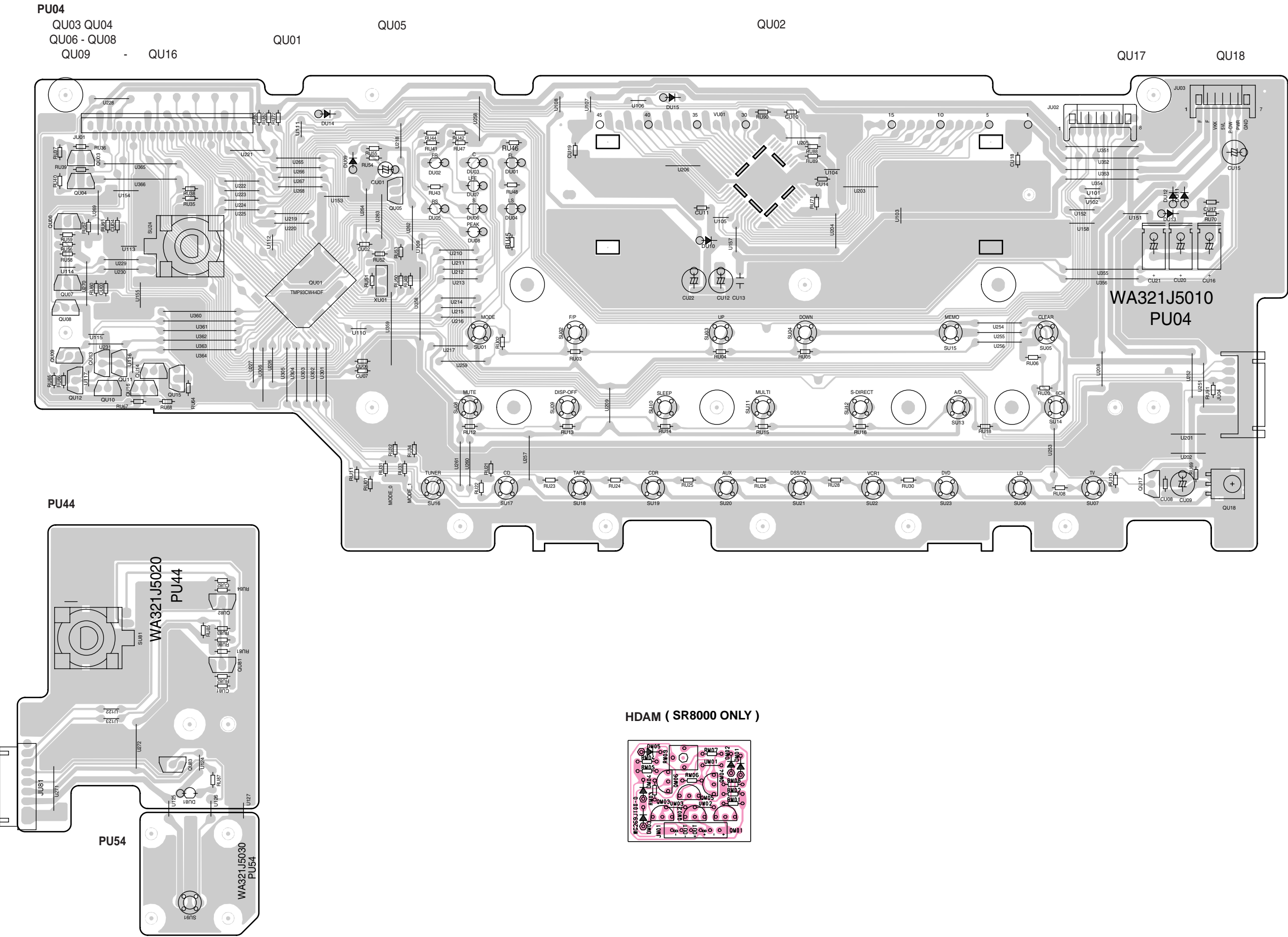
QY02

QY03 - QY08 QY11 - QY13  
QY09 QY10

PY04

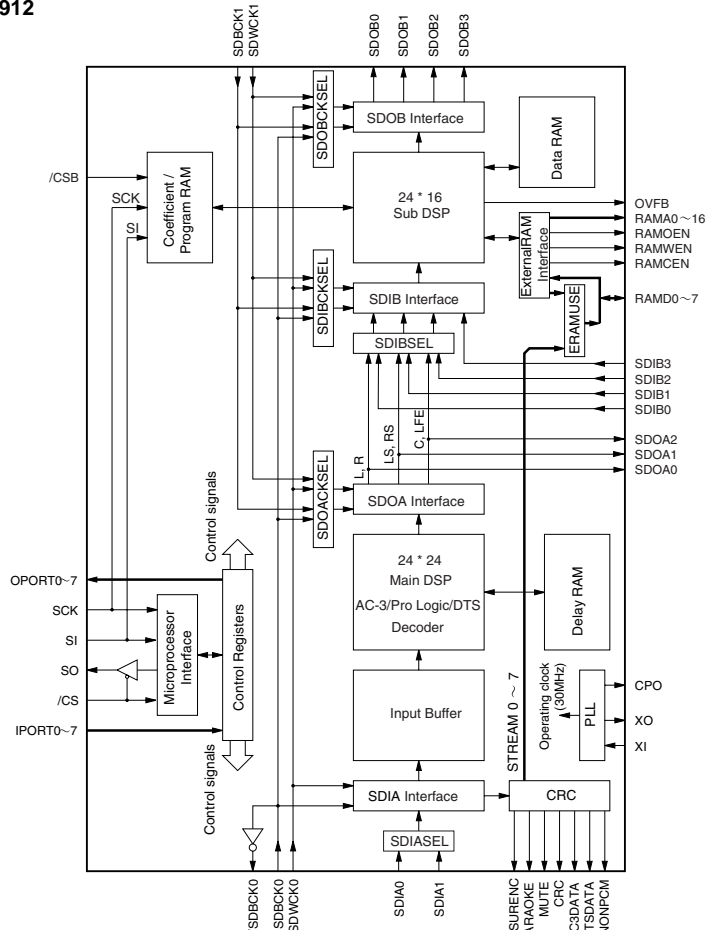


ALL COPPER SIDE VIEW



6. IC DATA

Q601:YSS912

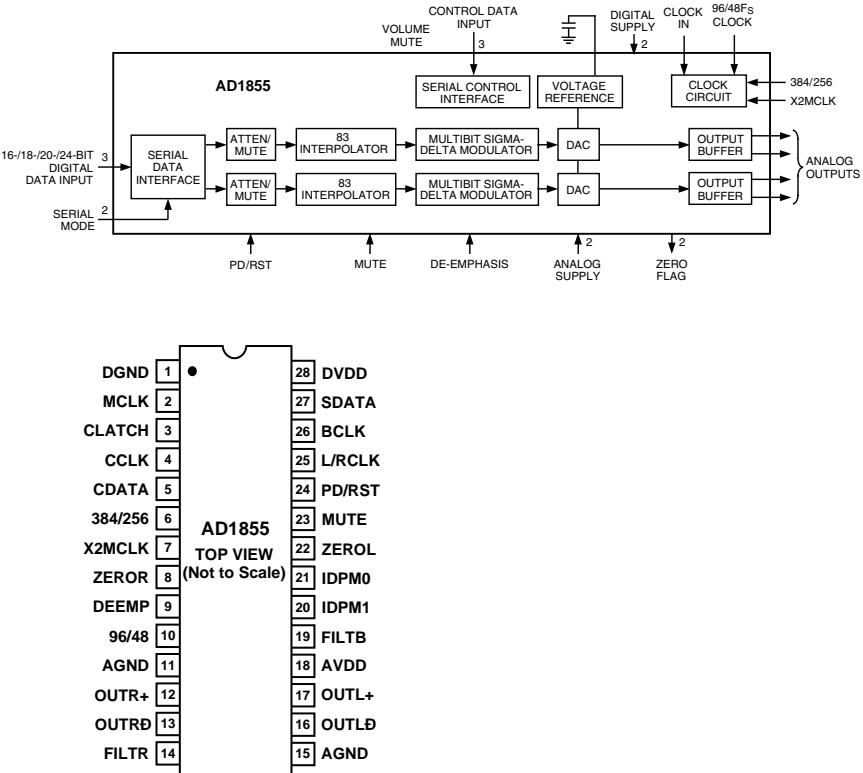


No.	NAME	I/O	FUNCTION
1	VDD1	-	+5V power supply (for I/Os)
2	RAMCEN	O	External SRAM Interface /CE
3	RAMA16	O	External SRAM Interface address 16
4	RAMA15	O	External SRAM Interface address 15
5	SDIB0	I+	PCM input 0 to Sub DSP
6	SDIB1	I+	PCM input 1 to Sub DSP
7	SDIB2	I+	PCM input 2 to Sub DSP
8	XI	I	Crystal oscillator connection or input external clock (12.288 MHz)
9	XO	O	Crystal oscillator connection
10	VSS	-	Ground
11	AVDD	-	+3.3V power supply (for PLL circuit)
12	SDIB3	I+	PCM input 3 to Sub DSP
13	TEST	O	Test terminal (to be open in normal use)
14	TEST	O	Test terminal (to be open in normal use)
15	OVFB	O	Detection of overflow at Sub DSP
16	DTSDATA	O	DTS data detection (Refer to "Status Register".)
17	AC3DATA	O	AC-3 data detection (Refer to "Status Register".)
18	SDOB3	O	PCM output from Sub DSP
19	CPO	A	Output terminal for PLL, to be connected to ground through the external analog filter circuit. (Refer to "External Circuit for PLL".)
20	AVSS	-	Ground (for PLL circuit)
21	VDD2	-	+3.3V power supply (for core logic)
22	SDOA2	O	PCM output from Main DSP (C, LFE)
23	SDOA1	O	PCM output from Main DSP (LS, RS)
24	SDOA0	O	PCM output from Main DSP (L, R)
25	RAMA14	O	External SRAM Interface address 14
26	RAMA13	O	External SRAM Interface address 13
27	RAMA12	O	External SRAM Interface address 12
28	RAMA11	O	External SRAM Interface address 11
29	RAMA10	O	External SRAM Interface address 10
30	VSS	-	Ground
31	VDD1	-	+5V power supply (for I/Os)
32	OPORT0	O	Output port for general purpose. (Refer to "OPORT Register")
33	OPORT1	O	Output port for general purpose. (Refer to "OPORT Register")
34	OPORT2	O	Output port for general purpose. (Refer to "OPORT Register")
35	OPORT3	O	Output port for general purpose. (Refer to "OPORT Register")
36	OPORT4	O	Output port for general purpose. (Refer to "OPORT Register")
37	OPORT5	O	Output port for general purpose. (Refer to "OPORT Register")
38	OPORT6	O	Output port for general purpose. (Refer to "OPORT Register")
39	OPORT7	O	Output port for general purpose. (Refer to "OPORT Register")
40	VSS	-	Ground
41	VDD2	-	+3.3V power supply (for core logic)
42	RAMA9	O	External SRAM interface address 9
43	RAMA8	O	External SRAM interface address 8
44	RAMA7	O	External SRAM interface address 7
45	SDOB2	O	PCM output from Sub DSP
46	SDOB1	O	PCM output from Sub DSP
47	SDOB0	O	PCM output from Sub DSP
48	SDBCCK1	I+	Bit clock input for SDOA, SDIB, SDOB. (Refer to "SDOA, SDIB, SDOB Register")
49	SDWCK1	I+	Word clock input for SDOA, SDIB, SDOB. (Refer to "SDOA, SDIB, SDOB Register")
50	VSS	-	Ground

No.	NAME	I/O	FUNCTION
51	VDD2	-	+3.3V power supply (for core logic)
52	NONPCM	O	Detection of non PCM data. (Refer to "Status Register")
53	CRC	O	Detection of AC-3 CRC error. (Refer to "Status Register")
54	MUTE	O	Detection of auto-mute. (Refer to "Status Register")
55	KARAOKE	O	Detection of AC-3 karaoke data. (Refer to "Status Register")
56	SURENC	O	Detection of AC-3 2/0 mode Dolby surround encoded input (Refer to "Status Register")
57	/SDBCCK0	O	Inverted SDBCCK0 clock output (refer to "Block diagram")
58	RAMA6	O	External SRAM Interface address 6
59	RAMA5	O	External SRAM Interface address 5
60	VSS	-	Ground
61	RAMA4	O	External SRAM Interface address 4
62	/IC	Is	Initial clear
63	TEST	O	Test terminal (to be open in normal use)
64	RAMA3	O	External SRAM Interface address 3
65	/CSB	Is+	Sub DSP Chip select
66	/CS	Is	Microprocessor interface Chip select
67	SO	Ot	Microprocessor interface Serial data output
68	SI	Is	Microprocessor interface/Sub DSP Serial data input
69	SCK	Is	Microprocessor interface/Sub DSP clock input
70	RAMA2	O	External SRAM Interface address 2
71	VDD1	-	+5V power supply (for I/Os)
72	RAMD0	I+/O	External SRAM Interface data (STREAM 0 output when External SRAM is not in use)
73	RAMD1	I+/O	External SRAM Interface data (STREAM 1 output when External SRAM is not in use)
74	RAMD2	I+/O	External SRAM Interface data (STREAM 2 output when External SRAM is not in use)
75	RAMD3	I+/O	External SRAM Interface data (STREAM 3 output when External SRAM is not in use)
76	RAMD4	I+/O	External SRAM Interface data (STREAM 4 output when External SRAM is not in use)
77	RAMD5	I+/O	External SRAM Interface data (STREAM 5 output when External SRAM is not in use)
78	RAMD6	I+/O	External SRAM Interface data (STREAM 6 output when External SRAM is not in use)
79	RAMD7	I+/O	External SRAM Interface data (STREAM 7 output when External SRAM is not in use)
80	VSS	-	Ground
81	VDD2	-	+3.3V power supply (for core logic)
82	SDWCK0	I	Word clock input for SDIA, SDOA, SDIB, SDOB (Refer to "SDIA, SDOA, SDIB, SDOB Register")
83	SDBCCK0	I	Bit clock input for SDIA SDOA SDIB SDOB (Refer to "SDIA, SDOA, SDIB, SDOB Register")
84	SDIA0	I	AC-3/DTS bitstream (or PCM) data input for Main DSP (Refer to "SDIA Register")
85	SDIA1	I	AC-3/DTS bitstream (or PCM) data input for Main DSP (Refer to "SDIA Register")
86	RAMA1	O	External SRAM Interface address 1
87	RAMA0	O	External SRAM Interface address 0
88	RAMOEN	O	External SRAM Interface /WE
89	RAMOEN	O	External SRAM Interface /OE
90	VSS	-	Ground
91	VDD2	-	+3.3V power supply (for core logic)
92	IPORT7	I+	Input port for general purpose (Refer to "IPOINT Register")
93	IPORT6	I+	Input port for general purpose (Refer to "IPOINT Register")
94	IPORT5	I+	Input port for general purpose (Refer to "IPOINT Register")
95	IPORT4	I+	Input port for general purpose (Refer to "IPOINT Register")
96	IPORT3	I+	Input port for general purpose (Refer to "IPOINT Register")
97	IPORT2	I+	Input port for general purpose (Refer to "IPOINT Register")
98	IPORT1	I+	Input port for general purpose (Refer to "IPOINT Register")
99	IPORT0	I+	Input port for general purpose (Refer to "IPOINT Register")
100	VSS	-	Ground

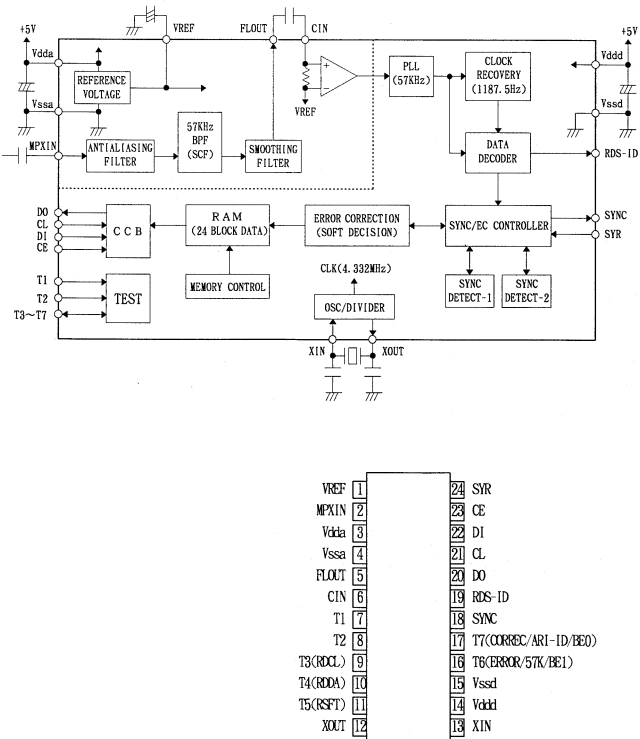
Note ) Is : Schmitt trigger input terminal  
I+ : Input terminal with a pull-up resistor  
O : Digital output terminal  
Ot : Tri-state digital output terminal  
A : Analog terminal

QD01:AD1855



Pin	Input/Output	Pin Name	Description
1	I	DGND	Digital Ground.
2	I	MCLK	Master Clock Input. Connect to an external clock source at either 256, 384 or 512 Fs.
3	I	CLATCH	Latch input for control data. This input is rising-edge sensitive.
4	I	CCLK	Control clock input for control data. Control input data must be valid on the rising edge of CCLK. CCLK may be continuous or gated.
5	I	CDATA	Serial control input, MSB first, containing 16 bits of unsigned data per channel. Used for specifying channel specific attenuation and mute.
6	I	384/256	Selects the master clock mode as either 384 times the intended sample frequency (HI) or 256 times the intended sample frequency (LO). The state of this input should be hardwired to logic HI or logic LO, or may be changed while the AD1855 is in power-down/reset. It must not be changed while the AD1855 is operational.
7	I	X2MCLK	Selects internal clock doubler (LO) or internal clock = MCLK (HI).
8	O	ZEROR	Right Channel Zero Flag Output. This pin goes HI when Right Channel has no signal input for more than 1024 LR Clock Cycles.
9	I	DEEMP	De-Emphasis. Digital de-emphasis is enabled when this input signal is HI. This is used to impose a 50ms/15 ms response characteristic on the output audio spectrum at an assumed 44.1 kHz sample rate.
10	I	96/48	Selects 48 kHz (LO) or 96 kHz Sample Frequency Control.
11, 15	I	AGND	Analog Ground.
12	O	OUTR+	Right Channel Positive line level analog output.
13	O	OUTRD	Right Channel Negative line level analog output.
14	O	FILTR	Voltage Reference Filter Capacitor Connection. Bypass and decouple the voltage reference with parallel 10 m F and 0.1 m F capacitors to the AGND.
16	O	OUTLB	Left Channel Negative line level analog output.
17	O	OUTL+	Left Channel Positive line level analog output.
18	I	AVDD	Analog Power Supply. Connect to analog +5 V supply.
19	O	FILTB	Filter Capacitor connection, connect 10 m F capacitor to AGND.
20	I	IDPM1	Input serial data port mode control one. With IDPM0, defines one of four serial modes.
21	I	IDPM0	Input serial data port mode control zero. With IDPM1, defines one of four serial modes.
22	O	ZEROL	Left Channel Zero Flag Output. This pin goes HI when Left Channel has no signal input for more than 1024 LR Clock Cycles.
23	I	MUTE	Mute. Assert HI to mute both stereo analog outputs. Deassert LO for normal operation.
24	I	PD/IRST	Power-Down/Reset The AD1855 is placed in a low power consumption mode when this pin is held LO. The AD1855 is reset on the rising edge of this signal. The serial control port registers are reset to the default values. Connect HI for normal operation.
25	I	L/RCLK	Left/Right clock input for input data. Must run continuously.
26	I	BCLK	Bit clock input for input data. Need not run continuously; may be gated or used in a burst fashion.
27	I	SDATA	Serial input, MSB first, containing two channels of 16, 18, 20, and 24 bits of twos complement data per channel.
28	I	DVDD	Digital Power Supply Connect to digital +5 V supply.

Q351:LC72722



The block diagram illustrates the internal architecture of the A03300 character generator. It shows the flow of data and control signals from external inputs to the final video output.

**External Inputs:**

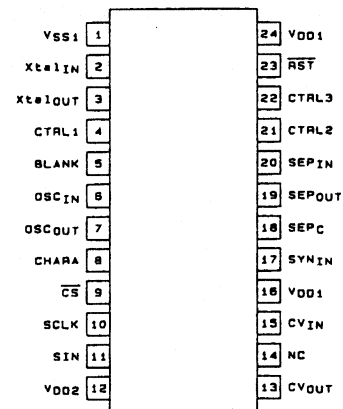
- CS, SIN, SCLK:** Inputs to the Serial to parallel converter.
- RST:** Reset input.
- VDD1, VSS1:** Power supply inputs.
- VDD2:** Power supply input.
- CHARA:** Character address input.
- OSCIN, OSCOUT:** Oscillator inputs/outputs.
- SYNIN, SEPC, SEPOUT:** Synchronization and separator inputs/outputs.
- SEPIN, CTRL3:** Separator and control inputs.

**Internal Components and Signal Flow:**

- Serial to parallel converter** and **8-bit latch + command decoder** process the CS, SIN, and SCLK inputs to provide control signals to various registers and counters.
- Registers and Counters:**
  - Horizontal character size register** and **Vertical character size register** control the **Horizontal size counter** and **Vertical size counter**.
  - Horizontal display position register** and **Vertical display position register** control the **Horizontal dot counter** and **Vertical dot counter**.
  - Blinking and inversion control register** controls the **Blinking and inversion control circuit**.
  - Display control register** controls the **Timing generator**, **Synchronization signal generator**, and **Character output control**.
  - RAM write address counter** controls the **Decoder** for **Display RAM**.
- Character and Line Control:**
  - Horizontal display position detector** and **Vertical display position detector** provide feedback to the dot counters.
  - Character control counter** and **Line control counter** manage character and line sequencing.
- Timing and Synchronization:**
  - The **Timing generator** receives inputs from the size registers, dot counters, and the display control register to generate timing signals.
  - The **Synchronization signal generator** produces sync signals based on the timing generator's output.
- Character Output and Video Control:**
  - The **Character output dot clock generator** and **Sync discriminator** manage the character dot clock.
  - The **Composite sync signal separator/control** block processes sync signals.
  - The **Character output control** block manages the background control and video output, receiving inputs from the timing generator, sync generator, and display control register.
  - The **Shift register** and **Font ROM** provide character data to the output control block.

**External Outputs:**

- CTRL2, CTRL1:** Control outputs.
- XtalIN, XtalOUT:** Crystal oscillator inputs/outputs.
- BLANK, CVIN, CVOUT:** Video control and output signals.



The block diagram illustrates the internal architecture of the TDA1564Q radio receiver IC. Key components include:

- Input Stage:** An FM/AM detector (pin 30) feeds into an FM/AM mixer (pin 27) and an FM/AM buffer (pin 26).
- Frequency Conversion:** The FM/AM mixer output goes to an AGC (Automatic Gain Control) block (pin 25), which then feeds into an FM/AM detector (pin 24) and an FM/AM mixer (pin 23).
- Demodulation and Tuning:** The FM/AM mixer output goes to an S-QUENCH (pin 22) and an S-METER (pin 21). The S-QUENCH output goes to a TUNING DRIVE (pin 20).
- Decoder and Stereo Processing:** The TUNING DRIVE output goes to a DECODER (pin 19), which then feeds into a STEREO DRIVE (pin 18).
- Output and Control:** The STEREO DRIVE output goes to a PILOT DET (pin 17) and a MUTE (pin 16). The PILOT DET output goes to a PHASE DET (pin 15).
- Power and Grounding:** The IC is powered by VCC (pin 6) and grounded at GND (pin 5). A V-SM (pin 14) is also shown.

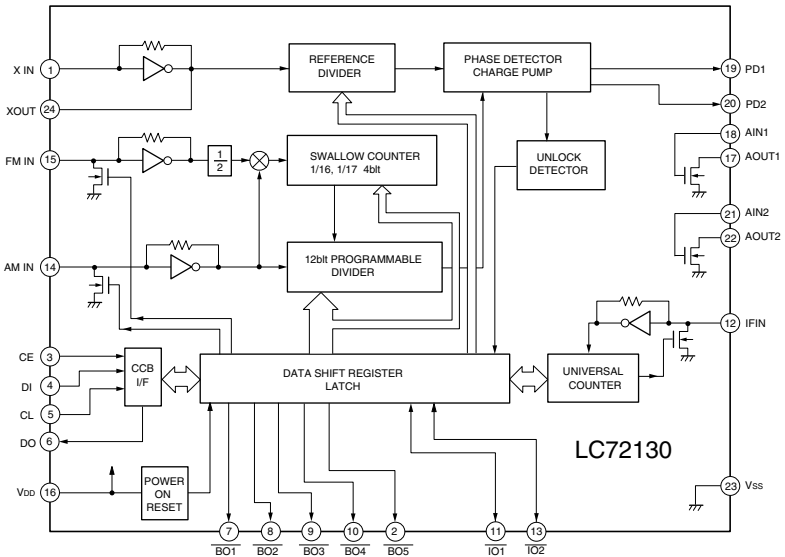
No.	Pin Name	I/O	Function
1	SDOS	I	SDTO Source Select Pin L: Internal ADC output, "H": DAUX input Ored with serial control register if P/S="L".
2	OCKS	I	MCKO Clock Frequency Select Pin L: MCLK, "H" MCLK12 Ored with serial control register if P/S="L"
3	M/S	I	Audio Data Master/Slave Mode Select Pin L: Slave mode. "H": Master mode
4	BICK	I/O	Audio Serial Data Clock Pin
5	LRCK	I/O	Input/Output Channel Clock Pin
6	SDT11	I	DAC1 Audio Serial Data Input Pin
7	SDT12	I	DAC2 Audio Serial Data Input Pin
8	SDT13	I	DAC3 Audio Serial Data Input Pin
9	SDTO	O	Audio Serial Data Output Pin
10	DAUX	I	AUX Audio Serial Data Input Pin
11	DFS	I	Double Speed Sampling Mode Pin "L": Normal Speed, "H": Double Speed, the ADC is powered down. Ored with serial control register if P/S="L".
12	DEM1	I	De-emphasis Pin Ored with serial control register if P/S="L"
13	DEM0	I	De-emphasis Pin Ored with serial control register if P/S="L"
14	MCKO	O	Master Clock Output Pin
15	DVDD		Digital Power Supply Pin
16	DVSS		Digital Ground Pin
17	PD	I	Power-Down & Reset Pin When "L", the AK4526 is powered-down and the control registers are reset to default state. If the state of P/S, M/S, CAD0-1 changes, then the AK4526 must be reset by PD.
18	XTS	I	X'tal oscillator Select/Test Mode Pin H: X'tal Oscillator selected L: External clock source selected
19	ICKS1	I	Input Clock Select 1 Pin
20	ICKS0	I	Input Clock Select 0 Pin
21	CAD1	I	Chip Address Pin Used during the serial control mode
22	CAD0	I	Chip Address Pin Used during the serial control mode.

No.	Pin Name	I/O	Function
23	LOUT3	O	Lch #3 analog output pin
24	ROUT3	O	Rch #3 analog output pin
25	LOUT2	O	Lch #2 analog output pin
26	ROUT2	O	Rch #2 analog output pin
27	LOUT1	O	Lch #1 analog output pin
28	ROUT1	O	Rch #1 analog output pin
29	LIN-	I	Lch Analog Negative Input Pin
30	LIN+	I	Lch Analog Positive Input pin
31	RIN-	I	Rch Analog Negative Input Pin
32	RIN+	I	Rch Analog Positive Input pin
33	VREFL	I	Negative Voltage Reference Input Pin, AVSS
34	VCOM	O	Common Voltage Output Pin, AVDD/2 Large external capacitor is used to reduce power-supply noise
35	VREFH	I	Positive Voltage Reference Input Pin, AVDD
36	AVDD		Analog Power Supply Pin
37	AVSS		Analog Ground pin
38	XTI	I	X'tal Input Pin
39	XTO	O	X'tal Output Pin if XTS="H"
40	MCKI	I	External Master Clock Input Pin if XTS="L"
	P/S	I	Parallel Serial Select Pin L: Serial control mode, "H": Parallel control mode
41	DIP0	I	Audio Data Interface Format Pin in parallel mode
	CS	I	Chip Select Pin in serial mode
42	DIF1	I	Audio Data Interface Format Pin in parallel mode
	CCLK	I	Control Data Clock Pin in serial mode
43	LOOP0	I	Loop-back Mode Pin in parallel mode Enables digital loop-back from ADC to 3 DACs
	CDTI	I	Control Data Input Pin in serial mode
44	LOOP1	I	Loop-back Mode Pin in parallel mode Enables all 3 DAC channels to be input ffrom SDT1
	CDTO	O	Control Data Output Pin in serial mode

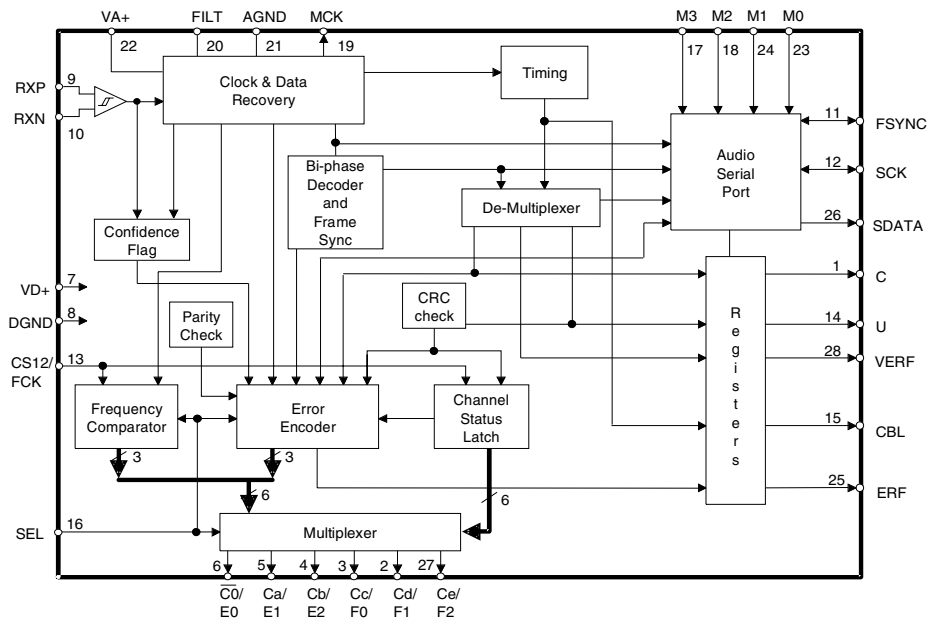
The diagram illustrates the internal architecture of the AK4526 audio codec. It features two input channels (LIN+/- and RIN+/-) each passing through an ADC and HPF before entering the Audio I/F block. The output of the Audio I/F is split into six pairs of outputs (LOUT1-3 and ROUT1-3), each consisting of a DAC, LPF, and VR stage. A central Clock Gen block provides MCLK to the Audio I/F and OCKS to a 1/2 divider. The DIR block handles digital inputs RX1-RX4 and manages XT0, XT1, MCKO, LRCK, BICK, and SDTO signals. The DEM block processes digital signals DEM0, DEM1, DFS, DAUX, and SDOS. The AC3 block manages digital outputs LRCK, BICK, SDIN, SDOUT1-3, and SDTI1-3. The entire system is labeled AK4526.



Q501:LC72130



QR01:CS8414



	C	1	•	28	VERF	
CS d/FREQ REPORT 1	Cd/F1	2		27	Ce/F2	CS e/FREQ REPORT 2
CS c/FREQ REPORT 0	Cc/F0	3		26	SDATA	SERIAL OUTPUT DATA
CS b/ERROR CONDITION 2	Cb/E2	4		25	ERF	ERROR FLAG
CS a/ERROR CONDITION 1	Ca/E1	5		24	M1	SERIAL PORT MODE SELECT 1
CS 0/ERROR CONDITION 0	C0/E0	6		23	M0	SERIAL PORT MODE SELECT 0
DIGITAL POWER	VD+	7		22	VA+	ANALOG POWER
DIGITAL GROUND	DGND	8		21	AGND	ANALOG GROUND
RECEIVE POSITIVE	RXP	9		20	FILT	FILTER
RECEIVE NEGATIVE	RXN	10		19	MCK	MASTER CLOCK
FRAME SYNC	FSYNC	11		18	M2	SERIAL PORT MODE SELECT 2
SERIAL DATA CLOCK	SCK	12		17	M3	SERIAL PORT MODE SELECT 3
CHANNEL SELECT/FCLOCK	CS12/FCK	13		16	SEL	FREQ/CS SELECT
	U	14		15	CBL	








QY01:TMP93CW40DF

Pin	Port name	I/O	Use	Sig.Name	Act.	Note
1	P55/AN5	I	AN	KEY_INPUT3	-	Key Input 3
2	P56/AN6	I	AN	MODE_SW0	-	MODE SWITCH 0
3	P57/AN7	I	AN	MODE_SW1	-	MODE SWITCH 1
4	MIN	I	-	-	-	toV ss
5	P60/TXD0	I/O	O	DO_TUNER	-	TUNER DO
6	P61/RXD0	I/O	O	CE_TUNER	H	TUNER CE
7	P62/SCLK0	I/O	O	CK_TUNER	-	TUNER CLK
8	P63/TXD1	I/O	O	KILL_RDS	L	Kill RDS Device
9	P64/RXD1	I/O	O	DC_CONTROL0	H	DC Output Control0
10	P65/SCLK1	I/O	O	DC_CONTROL1	H	DC Output Control1
11	P70/WAIT	I/O	O	LED0	L	Front L
12	P71	I/O	O	LED1	L	Front R
13	Vss	I	Vss	-	-	
14	P72	I/O	O	LED2	L	Center
15	P73	I/O	O	LED3	L	Surr. L
16	P74	I/O	O	LED4	L	Surr. R
17	P75	I/O	O	LED5	L	Surr. Mono
18	P76	I/O	O	LED6	L	LFE
19	P77	I/O	O	LED7	L	Peak
20	CLK	O	-	n.c.	-	pull up
21	AM8/16	I	-	n.c.	-	pull up
22	X1	I	X1	20MHz	-	
23	X2	O	X2	20MHz	-	
24	EA	I	-	n.c.	-	
25	RESET	I	RESET	-	-	
26	P66/XT1	I/O	O	LED_STANDBY	H	STAND BY LED
27	P67/XT2	I/O	I	VIDEO_DETECT0	L	CVBS Video Detector
28	TEST1	I	-	-	-	to TEST2
29	TEST2	I	-	-	-	to TEST1
30	Vcc	I	Vcc	-	-	
31	Vss	I	Vss	-	-	
32	ALE	O	-	n.c.	-	pull up
33	P00/AD0	I/O	I	VOL_ENC_A	-	Vol. Pulse Encoder
34	P01/AD1	I/O	I	VOL_ENC_B	-	Vol. Pulse Encoder
35	P02/AD2	I/O	I	SURR_ENC_A	-	Surr. Pulse Encoder
36	P03/AD3	I/O	I	SURR_ENC_B	-	Surr. Pulse Encoder
37	P04/AD4	I/O	I	VIDEO_DETECT1	L	Y/C Video Detector
38	P05/AD5	I/O	I	VIDEO_DETECT2	L	Multi Video Detector
39	P06/AD6	I/O	I	HEAD_PHONE_SW	L	Head Phone Switch
40	P07/AD7	I/O	I	DI_RDS	-	RDS I/F DI
41	P10/AD8	I/O	I	DI_TUNER	-	Tuner I/F DI
42	P11/AD9	I/O	I	SD_TUNER	L	Tuner I/F SD
43	P12/AD10	I/O	O	DO_SURR	-	Surr. I/F Data Out
44	P13/AD11	I/O	I	DI_SURR	-	Surr. I/F Data In
45	P14/AD12	I/O	O	CK_SURR	-	Surr. I/F CLK
46	P15/AD13	I/O	I	ACK_SURR	L	Surr. I/F Acknowledge.
47	P16/AD14	I/O	O	REQ_SURR	L	Surr. I/F Request
48	P17/AD15	I/O	O	RST_SURR	L	Surr. I/F Reset
49	P20/A0	I/O	O	SOFT_MUTE	H	Soft Mute ON
50	P21/A1	I/O	O	ATT_ON	L	Attenuate ON
51	P22/A2	I/O	O	CE_AUDIO	L	Audio Device CE
52	P23/A3	I/O	O	CE_VOLUME	H	Volume Device CE
53	P24/A4	I/O	O	CE_SP1	L	4094 Device1 CE
54	P25/A5	I/O	O	CE_FL	L	FL Driver CE
55	P26/A6	I/O	O	CE_OSD1	L	Y/C OSD Driver CE
56	P27/A7	I/O	O	CE_OSD2	L	Multi OSD Driver CE
57	Vcc	I	Vcc	-	-	
58	P30/RD	O	O	CE_SP0	L	4094 Device0 CE
59	P31/WR	O	O	CE_OSD0	L	CVBS OSD Driver CE
60	P32/SCK	I/O	O	CK_DISP	-	FL & OSD I/F CLK
61	P33/SO	I/O	O	DO_DISP	-	FL & OSD I/F DO
62	P34/SI	I/O	O	POWER_OFF	L	Power OFF output
63	P35/INT0	I/O	INT	POWER_DOWN	L	Power Down
64	P40/INT1	I/O	O	CK_DEVICE	-	CLK for Device I/F
65	P41/TO3	I/O	O	DO_DEVICE	-	DO for Device I/F
66	P42/INT4	I/O	INT	ALL_RC5_IN	H	RC-5 Input(Main&Multi)
67	P43/INT5	I/O	I	MULTI_RC5_IN	H	Multi RC-5 Input
68	P44/TO4	I/O	O	MAIN_RC5_OUT	H	Main RC-5 Output
69	P45/INT6	I/O	O	MULTI_RC5_OUT	H	Multi RC-5 Output
70	P46/INT7	I/O	O	KILL_IR	H	Kill IR signal
71	P47/TO6	I/O	O	SPEAKER_OFF	H	Speaker Relay OFF
72	VrefH	I	VrefH	-	-	
73	VrefL	I	VrefL	-	-	
74	Avss	I	Avss	-	-	
75	Avcc	I	Avcc	-	-	
76	P50/AN0	I	AN	POWER_DETECT0	-	Power Detect 0
77	P51/AN1	I	AN	POWER_DETECT1	-	Power Detect 1
78	P52/AN2	I	AN	KEY_INPUT0	-	Key Input 0
79	P53/AN3	I	AN	KEY_INPUT1	-	Key Input 1
80	P54/AN4	I	AN	KEY_INPUT2	-	Key Input 2

Q691:μPD78018

Pin	Port name	I/O	USE	Sig. Name	act.	Description
1	P30/TO0	I/O	I	C0_E0	-	DIR Status
2	P31/TO1	I/O	I	Ca_E1	-	DIR Status
3	P32/TO2	I/O	I	Cb_E2	-	DIR Status
4	P33/TO1	I/O	I	Cc_F0	-	DIR Status
5	P34/TO2	I/O	I	Cd_F1	-	DIR Status
6	P35/PCL	I/O	I	Ce_F2	-	DIR Status
7	P36/BUZ	I/O	O	TEST_COM	H	For Check SIO0 Interface
8	P37	I/O	I	-	-	
9	Vss	I	-	GND	-	GND
10	P40	I/O	O	ISEL1	-	SPDIF input select
11	P41	I/O	O	ISEL2	-	SPDIF input select
12	P42	I/O	O	ISEL3	-	SPDIF input select
13	P43	I/O	O	CSEL1	-	SPDIF output select
14	P44	I/O	O	CSEL2	-	SPDIF output select
15	P45	I/O	O	CSEL3	-	SPDIF output select
16	P46	I/O	O	KILLC	H	Kill SPDIF output
17	P47	I/O	O	KILLIN	H	Kill SPDIF input for DIR
18	P50	I/O	O	SMUTE	H	Soft mute by L/R DAC
19	P51	I/O	O	_UMUTE	L	Hard mute by Tr.
20	P52	I/O	O	FS96	H	Fs=96k set
21	P53	I/O	O	BYPASS	H	Bypass DSP
22	P54	I/O	O	_CS_DSP1	L	I/F YSS912 (main DSP)
23	P55	I/O	O	_CSB_DSP1	L	I/F YSS912 (sub DSP)
24	Vss	I	-	GND	-	GND
25	P56	I/O	O	MIXF	-	SW mix to Front LR
26	P57	I/O	O	MIXSF	-	SW mix to Surr LR&FrontLR
27	P60	I/O	O	_IC	L	Reset to YSS912
28	P61	I/O	O	ADCAL	H	Cal.& RESET to CODEC
29	P62	I/O	O	_RSTDA1	L	Reset to L/R-DAC (AD1855)
30	P63	I/O	O	_ATT3	L	Attenuate to output
31	P64	I/O	O	D_A	-	Digital/ _Analog select
32	P65	I/O	O	A_D	-	Analog / _Digital select
33	P66/WAIT	I/O	O	C_EF_DIR	-	DIR Status Out Select
34	P67/ASTB	I/O	O	RSTDIR	H	RESET to DIR
35	RESET	I	I	RSTC	L	I/F Master CPU
36	P00/INTP0	I	I	OVFB	-	Over load to DSP
37	P01/INTP1	I/O	I	_REQ	L	I/F Master CPU
38	P02/INTP2	I/O	I	ERF	H	SPDIF Error status
39	P03/INTP3	I/O	I	RFNODET	L	RF input status
40	Vdd	I	-	+5V	-	+5v
41	X2	O	-	-	-	10MHz
42	X1	I	-	-	-	10MHz
43	IC	I	-	-	-	to GND
44	XT2	O	-	n.c.	-	Open
45	P04/XT1	I	-	n.c.	-	Vdd
46	Avss	I	-	GND	-	GND
47	P10/ANI0	I/O	ANI	KEY1	-	Optional 8 key input
48	P11/ANI1	I/O	ANI	KEY2	-	Optional 8 key input
49	P12/ANI2	I/O	ANI	KEY3	-	Optional 8 key input
50	P13/ANI3	I/O	ANI	KEY4	-	Optional 8 key input
51	P14/ANI4	I/O	I	SWITCH1	-	Link Host or Stand alone
52	P15/ANI5	I/O	I	SWITCH2	-	Reserved
53	P16/ANI6	I/O	I	SWITCH3	-	Reserved
54	P17/ANI7	I/O	O	RFSEL	H	RF input select
55	Avdd	I	-	+5v	-	+5v
56	Avref	I	-	+5v	-	+5v
57	P20/SI1	I/O	I	SI1	-	I/F Master CPU
58	P21/SO1	I/O	O	SO1	-	I/F Master CPU
59	P22/SCK1	I/O	I	SCK1	-	I/F Master CPU
60	P23/STB	I/O	O	_ACK	L	I/F Master CPU
61	P24/BUSY	I/O	O	DEEMP	-	Pull Up
62	P25/SI0	I/O	I	SI0	-	I/F YSS912
63	P26/SO0	I/O	O	SO0	-	I/F YSS912
64	P27/SCK0	I/O	O	SCK0	-	I/F YSS912

## 7. EXPLODED VIEW AND PARTS LIST

SYMBOL	STYLE	PARTS NAME
5110		+B. H. M. SCREW
5126		+B. H. TAP TITE SCREW W/ WASHER
5127		+B. H. TAP TITE SCREW(W/ )
5128		+B. H. TAP TITE SCREW(B TYPE)
5150		+F. H. TAP TITE SCREW(B TYPE)
5204		+H. H. TAPT. BOLTS WITH FLANGE( S TITE )
5405		TOOTHED LOCK WASHERS

MARK	MATERIAL/ FINISH
( M )	STEEL/ COPPER
( U )	STEEL/ BLACK
( A )	STEEL/ CHROMATE

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
001B	7000 /K1B, /N1B	996500003422	FRONT AL PANEL BLACK	320J248010	▲ W001	/U		MAINS CORD UL CSA NON-INTEGRAL	YC02000880
001B	7000 /K1G, /N1G	996500003436	FRONT AL PANEL GOLD	320J248110				<b>PACKING</b>	
001B	7000 /U1B		FRONT AL PANEL STANDBY BLACK	320J248020	001T	7000/K	996500003434	USER GUIDE SR7000	320J851350
001B	7000 /U1G		FRONT AL PANEL STNDBY GOLD	320J248120	001T	7000/N		USER GUIDE SR7000	320J851310
001B	8000 /K1G, /S1G		FRONT AL PANEL GOLD	321J248110	001T	7000/U		USER GUIDE SR7000	320J851250
001B	8000 /U1B		FRONT AL PANEL STANDBY BLACK	321J248020	001T	7000/K		USER GUIDE SR8000	321J851360
002B		482245411825	BADGE MARANTZ BADGE	185J251010	001T	7000/S		USER GUIDE SR8000	321J851350
005B	BLACK	996500003426	CHASSIS FRONT MOLD BLK	320J105020	001T	7000/U		USER GUIDE SR8000	321J851250
005B	GOLD	996500003437	CHASSIS FRONT MOLD GOLD	320J105120	Z001	7000	996500003420	REMOTE COMMANDER RC7000SR	ZK320J0010
006B		996500003427	MASK WINDOW SHEET	312J303050	Z001	8000		REMOTE COMMANDER RC18SR	ZK300J0010
007B		996500003428	WINDOW	312J158110	▲ Z007	/K ★1		MAINS CORD CCEE 10A 250V	ZC01803110
008B		996500003428	REFLECTOR LED	320J274010	▲ Z007	/K ★2		MAINS CORD CCEE 10A 250V	ZC01803090
009B		996500003429	MASK L R C LFE LS S RS	312J303020	▲ Z007	/N ★1	996500003421	MAINS CORD 10A 250V CLASS2	ZC01803120
010B	BLACK	996500003441	BUTTON FUNCTION BLACK	320J270010	▲ Z007	/N ★2	482232111439	MAINS CORD 10A 250V CLASS2	ZC01803080
010B	GOLD	996500003441	BUTTON FUNCTION GOLD	320J270110	▲ Z007	/S ★1		MAINS CORD 10A 250V	ZC01804080
011B	BLACK	996500003430	BUTTON TUNING BLACK	320J270020	▲ Z007	/S ★2		MAINS CORD 10A 250V	ZC01804070
011B	GOLD	996500003442	BUTTON TUNING GOLD	320J270120				<b>SERVICE KIT</b>	
012B	BLACK	996500003431	BUTTON CENTER ESC. BLACK	320J270030				EXTENSION WIRES ( 5P, 7P, 8P, 10P, 12Px2 )	*SR7000JIG
012B	GOLD	996500003443	BUTTON CENTER ESC. GOLD	320J270130				* Refer to WIRING DIAGRAM	
013B			HOLDER FL	183J271020	Z100		996500003435		
014B			STICKER ADHESIVE FOR FL	056J122010				<b>REMARK :</b>	
019B			WASHER D16 T0.5	261J012010				★1	
025B			WASHER D16 T0.5	261J012010				FOR SR7000 ( Lot number from 01 to 12 ) and SR8000 ( Lot number from 01 to 09 )	
030B	BLACK	996500003432	KNOB MASTER BLACK	312J154010				★2	
030B	GOLD	996500001391	KNOB MASTER GOLD	312J154020				FOR SR7000 ( Lot number from 13 ) and SR8000 ( Lot number from 10 )	
031B	BLACK	996500003433	LENS IR BLACK	275W355010					
031B	GOLD	996500001392	LENS IR GOLD	275W355110					
032B	GOLD		MASK IR	312J303030					
033B		996500001393	LENS STANDBY LENS	312J355010					
034B	/K,/N,/S	996500001394	JOINT POWER	312J125010					
035B	BLACK	996500001975	BUTTON POWER SW BLACK	255W270010					
035B	GOLD	996500001395	BUTTON POWER SW GOLD	255W270110					
035B	/U1B ONLY		BUTTON POWER SW TACT BLACK	320J270040					
035B	/U1G ONLY		BUTTON POWER SW TACT GOLD	320J270140					
009G		482246242129	LEG FRONT SIDE	183J057010					
010G		482246242048	LEG REAR SIDE	183J057110					
915G	/U		BUSHING AC CORD	450H259010					
▲ J001	/K,/N,/S ★1	482226731964	JACK MAINS INLET SOT-17	YJ04002250					
▲ J001	/K,/N,/S ★2	996500001313	JACK MAINS INLET PW1910-H	YJ04002440				<b>NOT STANDARD SPARE PARTS</b>	
▲ L001	7000 /K,		MAINS TRANSF. EI96-80T PIN TYPE 220V 50Hz	TS19630170	001S	7000		PACKING CASE	320J801010
▲ L001	7000 /N	996500003410	MAINS TRANSF. EI96-80T PIN TYPE 230V 50Hz	TS19630180	001S	8000		PACKING CASE	321J801010
▲ L001	7000 /U		MAINS TRANSF. EI96-80T PIN TYPE 120V 60Hz	TS19630160	002S			CUSHION LEFT	310J809010
▲ L001	8000 /K		MAINS TRANSF. EI105-80T 220N 50Hz 60Hz	TS60513180	003S			CUSHION RIGHT	310J809020
▲ L001	8000 /S		MAINS TRANSF. EI105-80T 230V 50Hz	TS60513190	Z002			LR6AG CP4	ZF53104000
▲ L001	8000 /U		MAINS TRANSF. EI105-80T 120V 60Hz	TS60513170	Z003	/K,/N,/S		EXT.ANTENNA FM 931222R	ZA02800020
L003	/K,/N,/U		FERRITE CORE TFCK-25-15-12	FC50250020	Z003	/U		EXT.ANTENNA FM	ZA02000070
					Z004			LOOP ANT COIL LA-700HB	LA00055010
					Z005	/U		PLUG ANT ADAPTOR	YP90000310
					Z006	/K		JACK AC ADAPTER	YJ04001240
								SMK S-I6116 PLRTY	

## 8. SERVICE PROGRAM

### REMARK

If these service programs are set, All user preset memories will be cleared.

#### 1. FACTORY mode (Tracking point memory)

This **FACTORY mode** can be use for measurement of the tuner circuit.

When the product is POWER ON, press both [ **MEMO** ] and [ **F/P** ] buttons simultaneously over 3 seconds.

FLD shows "**FACTORY**" for 3 seconds. Press [ **F/P** ] button, FLD shows "**PRESET SEL**".

The tuning frequencies are memorized as follows.

Band	VERSION	P1	P2	P3	P4
FM AUTO	K, N, S, U	90.0	98.0	106.0	87.5
[MHz]	F	78.0	83.0	88.0	76.0

Band	SCAN STEP	P5	P6	P7	P8	P9	P10	P11	P12
AM [kHz]	10 kHz(U)	600	1000	1400	520				
	9 kHz(K, N, S)	603	999	1404	531				
	MW/LW(N)	603	999	1404	171	207	270	152	531

#### 2. Version of microprocessor (CPU) and FLD segment check mode

This mode is available to confirm the version of each CPU and to check all luminous segments by the following steps.

1. When the product is FACTORY mode ( Refer to above mentioned "**1. FACTORY mode**"), press [ **DISPLAY OFF** ] button.

FLD shows "**SERVICE**" for 2 seconds.

2. Press [ **DISPLAY OFF** ] button again, then FLD shows version of program code QU01(main CPU).

3. Press [ **DISPLAY OFF** ] button again, then FLD shows version of program code Q691(DSP CPU).

4. Press [ **DISPLAY OFF** ] button again, then all segments lights and all LED lights up.

5. Press [ **DISPLAY OFF** ] button again, then then all segments lights off and all LED lights up.

6. Press [ **DISPLAY OFF** ] button again, then then each segments lights on and off.

7. Press [ **DISPLAY OFF** ] button again, then this mode will be stopped and the product will be FACTORY mode.

#### 3. Input and output test mode

This mode is available for the functions as shown in Fig 1 by the following steps.

1. When the product is FACTORY mode ( Refer to above mentioned "**1. FACTORY mode**"), press both [ **MEMO** ] and [ **MODE** ] buttons simultaneously.

2. FLD shows "**AUTO D1**". By pressing both [ **MEMO** ] and [ **MODE** ] buttons simultaneously each time, the mode is changed in the following order.

Fig 1 Input and output test mode

ORDER	INDICATION for FLD	MODE FUNCTION
1	AUTO D1	Input selection mode (without using system setup menu)
2	ALL CH D1	5 or 6 channels output mode (This mode is available for 2 channels input)
3	IMPULSE --	This mode is development use only
4	CD/DIG1	This mode is the same status as FACTORY mode

##### 3.1. Input selection mode (without setting to system setup menu)

This mode is available to select the input without setting to system setup menu by the following steps.

1. When FLD shows "AUTO D1"( Refer to "**3. Input and output test mode**"), the input can be shifted by pressing [ **MODE** ] button for the remote commander only each time as shown in Fig 2. ( [ **MODE** ] button is in page4 of **AMP** function for RC-18SR\*)



Fig 2. Input selection order by pressing [ **MODE** ] button each time

ORDER	INDICATION for FLD	INPUT STATUS
1	AUTO D1	DIG. 1 IN
2	AUTO D2	DIG. 2 IN
3	AUTO D3	DIG. 3 IN
4	AUTO D4	DIG. 4 IN
5	AUTO D5	DIG. 5 IN
6	AUTO D6	DIG. 6 IN
7	AUTO CD	CD IN (Analog)

**Note:** Surround mode is fixed “**AUTO**” mode automatically.

### 3.2. 5.1 channels output mode

This mode is available to output the same signal from 5 channels, even though 2 channels audio signal comes in. As the result, all channels output can be confirmed by using analog stereo signal or PCM audio signal.

AC-3 or DTS source is not necessary to output from any channel in this mode.

1. When FLD shows "ALL CH D1" (Refer to "**3. Input and output test mode**"), the input can be shifted by pressing [ **MODE** ] button for the remote commander only each time as shown in Fig 3.  
( [ **MODE** ] button is in page4 of **AMP** function for RC-18SR\*)
2. Supply to 2 channels PCM signal for digital input or 2 channels analog signal for analog input. But, Left channel and Right channel of input signal should be equal.
3. Then each output from the product is the same as the input signal. (Subwoofer channel is respond to lower than 100Hz signal)

Fig 3. Input selection order by pressing [ **MODE** ] button each time

ORDER	INDICATION for FLD	INPUT STATUS
1	ALL CH D1	DIG. 1 IN
2	ALL CH D2	DIG. 2 IN
3	ALL CH D3	DIG. 3 IN
4	ALL CH D4	DIG. 4 IN
5	ALL CH D5	DIG. 5 IN
6	ALL CH D6	DIG. 6 IN
7	ALL CH CD	CD IN (Analog)

### 3.3. Cross Over circuit for SPK setup

This mode is available to confirm Cross Over circuit for SPK setup.

1. When FLD shows "ALL CH D1"(Refer to "**3. Input and output test mode**"), the Cross Over mode can be selected by pressing [ see Fig4 ] button for the remote commander only each time as shown in Fig 4. ( [ see Fig4 ] button is in page3 of **AMP** function for RC-18SR)

Fig 4. SPK set up mode

Button for RC-18SR	INDICATION for FLD	SPK setup			
		Front L/R	Center	Surr. L/R	Subwoofer
[ <b>CH+</b> ]	ALL CH D1	Large	Large	Large	ON
[ <b>LVL+</b> ]	CROSS 1	Large	Small	Small	OFF
[ <b>LVL-</b> ]	CROSS 2	Large	Small	Large	OFF

### 4. Transistor MUTE mode

In mute situation on the product, output signal is muted by Volume control IC and muting transistor.

But, this mode is available to work the muting transistor only by the following steps.

1. When the product is **FACTORY** mode ( Refer to "**1. FACTORY mode**"), press [ **MUTE** ] button for remote commander only.
2. FLD shows "**TrMUTE ON**", then muting transistor circuit is active only.

### 5. How to reset the product

When the product is **POWER ON**, press both [ **CLEAR** ] and [ **DISPLAY OFF** ] buttons simultaneously.

FLD shows "**DEFAULT**" for 3 seconds, then all memories are cleared.

#### Note

\* : The remote controller RC2000mkII is available instead of RC-18SR for [ **MODE** ] button.

## 9. ELECTRICAL ADJUSTMENTS

### 1. DC offset adjustment

Master Volume : Minimum, Speaker out : non Load

Step	Power	Channel	Adjustment Point	Test Point	Adjustment Vaule
1	on	Front L	R767	Speaker Output Terminal	$\pm 20\text{mV}$
		Center	RT67		
		Front R	R768		
		Surr. L	RP67		
		Surr. R	RT68		

Note : If the measured value is not exceed  $\pm 50\text{mV}$ , no need to adjust the DC offset.

### 2. Idling current adjustment

Master Volume : Minimum, Speaker out : non Load

Step	Power	Channel	Adjustment Point	Test Point	Adjustment Vaule
1	Power on	Front L	R737	J706(1p-2p) or R761	The center position
		Center	RT67	J706(3p-4p) or RT61	
		Front R	R738	J707(3p-4p) or R762	
		Surr. L	RP37	J708(3p-4p) or RP61	
		Surr. R	RP38	J707(1p-2p) or R762	
2	after 4 minutes			J***:4P Connecter [between 1p-4p] R***:Emitter Resister [ $0.18\Omega \times 2$ ]	see table for adjustment vaule

Time since power on	Idling current adjust.
1 minutes	2.8 - 3.4 mV
1 minutes 30 seconds	3.8 - 4.4 mV
2 minutes	4.8 - 5.6 mV
2 minutes 30 seconds	5.6 - 6.2 mV
3 minutes	6.2 - 6.8 mV
More than 4 minutes	6.8 - 7.4 mV

## 10. ALIGNMENT PROCEDURES

### 1. AM IF Adjustment

Step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to transmission *loop antenna. (*:Standard required loop)	999 kHz (K, S, N) 1000 kHz (U)	Level 300 $\mu$ V/m (50dB/m) Mod. 400 Hz 30%	Tuning point	LA06	Output level (L or R) <b>Maximum</b> at TAPE-OUT

**REMARK:** For receiving antenna, the adapted one is available.

This adjustment is not necessary normally, because the coil LA06 is preset by the original supplier.

It is necessary when the incorrect usable sense and frequency response.

### 2. AM (MW) Tracking Adjustment

Step	**Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to transmission *loop antenna. (*:Standard required loop)	603 kHz (K, S, N) 600 kHz (U)	Level 300 $\mu$ V/m (50dB/m) Mod. 400 Hz 30%	603 kHz (K, S, N) 600 kHz (U)	LA01	Output level (L or R) <b>Maximum</b> at TAPE-OUT
2		1404 kHz (K, S, N) 1400 kHz (U)	Level 300 $\mu$ V/m (50dB/m) Mod. 400 Hz 30%	1404 kHz (K, S, N) 1400 kHz (U)	CA01	Output level (L or R) <b>Maximum</b> at TAPE-OUT
3	Repeat step 1 and 2 until sensitivity be maximized.					

### 3. AM (LW) Tracking Adjustment [N version]

Step	**Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to transmission *loop antenna. (*:Standard required loop)	171 kHz	Level 500 $\mu$ V/m (54dB/m) Mod. 400 Hz 30%	171 kHz	LA03	Output level (L or R) <b>Maximum</b> at TAPE-OUT
2		270 kHz	Level 500 $\mu$ V/m (54dB/m) Mod. 400 Hz 30%	270 kHz	CA08	
3	Repeat step 1 and 2 until sensitivity be maximized.					

### 4. AM auto stop Adjustment

Step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to transmission *loop antenna. (*:Standard required loop)	999 kHz (K, S, N) 1000 kHz (U)	Level 500 $\mu$ V/m (54 dB/m)	999 kHz (K, S, N) 1000 kHz (U)	RA11	"TUNED" indicate on FLD
2			Level 1000 $\mu$ V/m (60 dB/m)	AUTO SCAN	Only Confirm	"TUNED" indicate on FLD

### 5. FM MONO. Distortion Adjustment

Step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to FM antenna terminal. (75 $\Omega$ )	98 MHz (K, N, S, U)	Level 500 $\mu$ V (54 dB) MONO 1 kHz / Dev.40kHz 53.3% (K, S) MONO 1 kHz / Dev. 75 kHz 100% (U, F)	98 MHz (P2) MONO	L201	Distortion level <b>Minimum</b> at TAPE-OUT

## 6. FM Muting Level Adjustment

Turn the variable resistor **R212** to no indication ("TUNED") point. And return that valuable resistor in opposite to the "TUNED" indicate point.

Step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to FM antenna terminal. (75 Ω)	98 MHz	Level 10 μV (20 dB) MONO 1 kHz / Dev.40 kHz 53.3% (K, N, S) MONO 1 kHz / Dev. 75 kHz 100% (U)	98 MHz (P2)	R212	"TUNED" indicate on FLD
2			Over mentioned level <b>+3 dB</b>	AUTO SCAN	Only Confirm	"TUNED" indicate on FLD

## 7. FM STEREO Distortion Adjustment

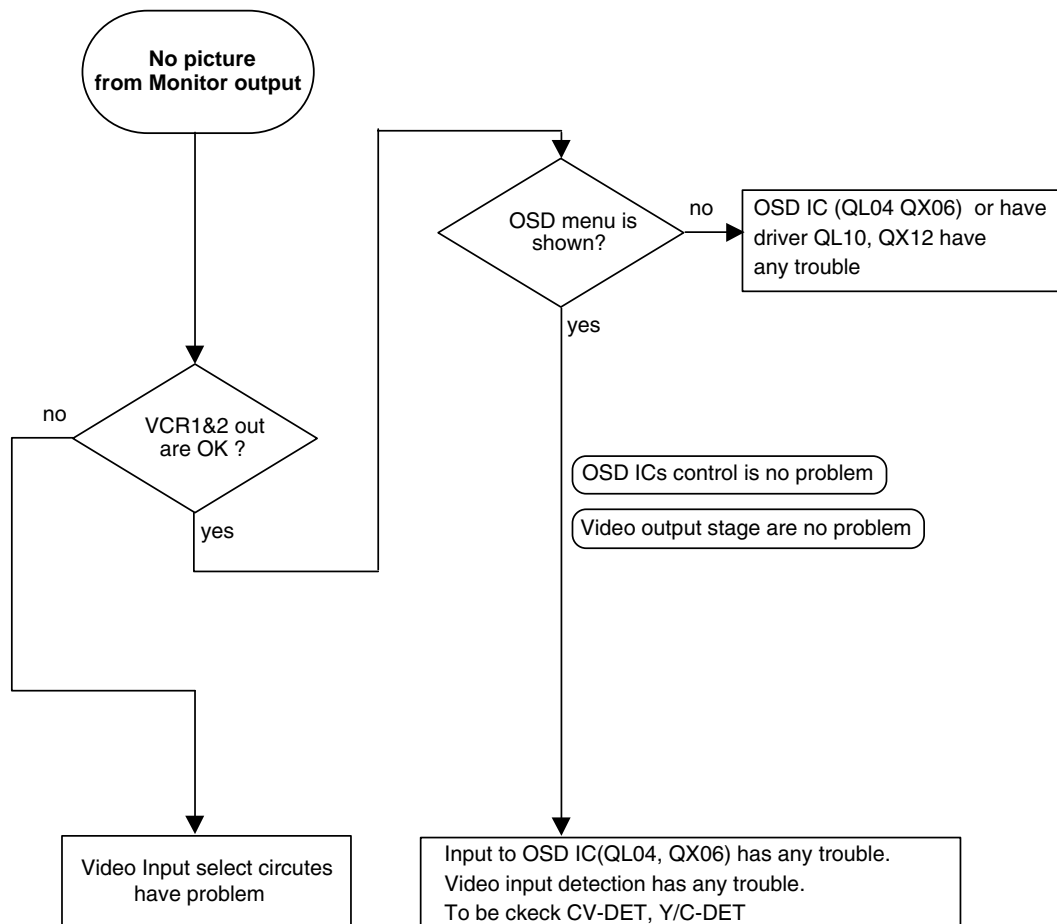
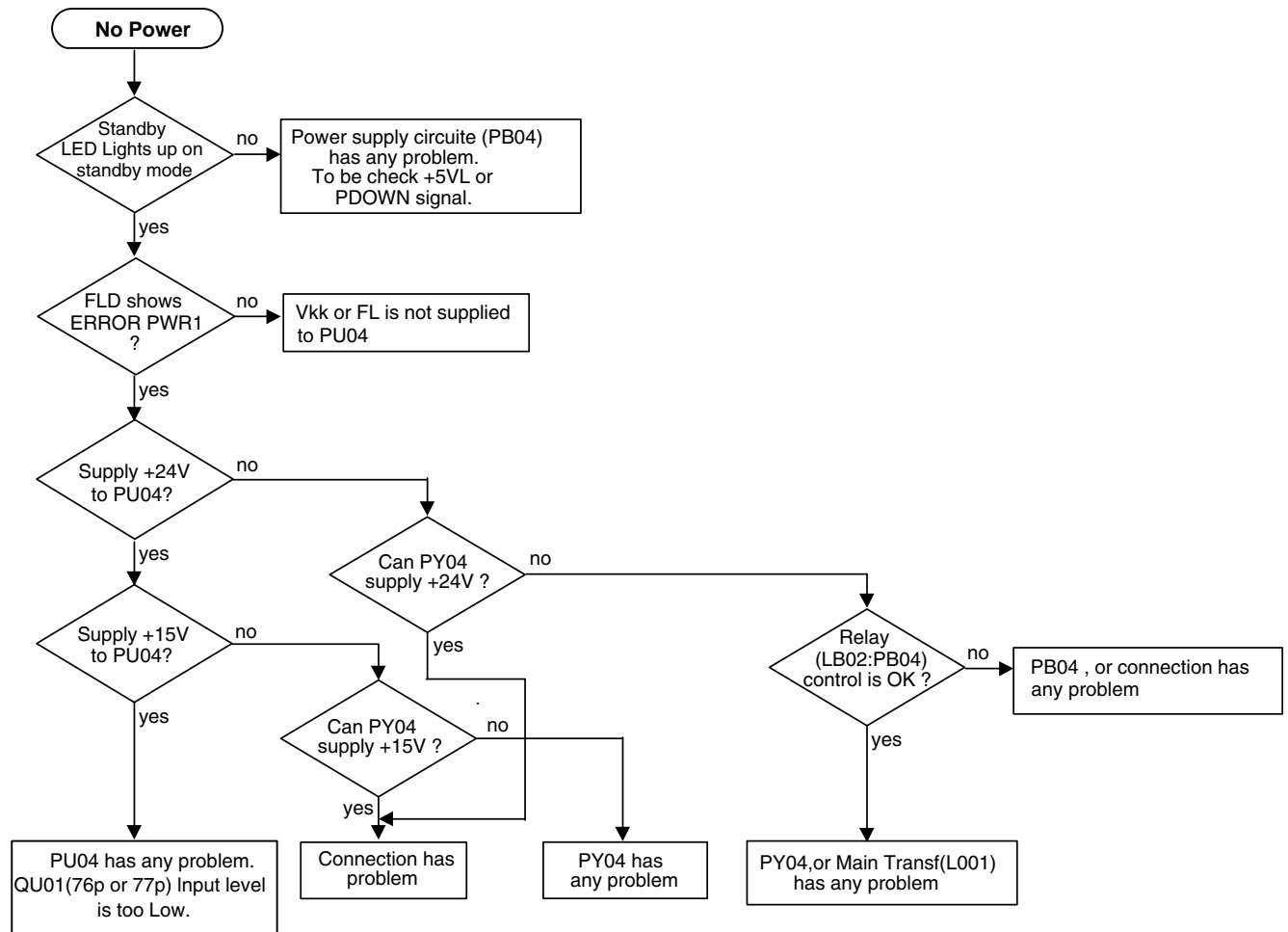
Adjust the **L channel** with the RF signal modulated only **L channel** first and confirm the **R channel** with the RF signal modulated only **R channel**.

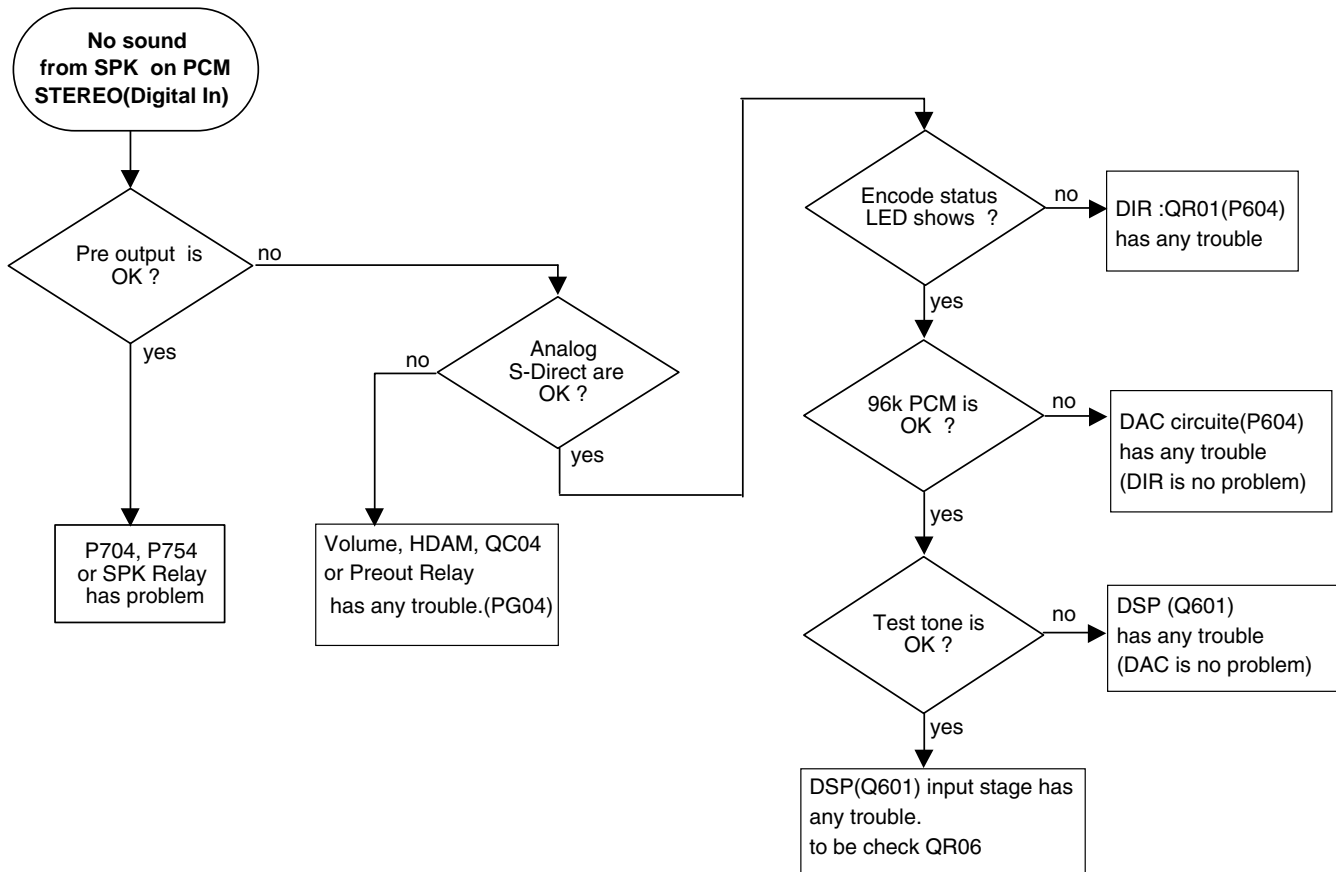
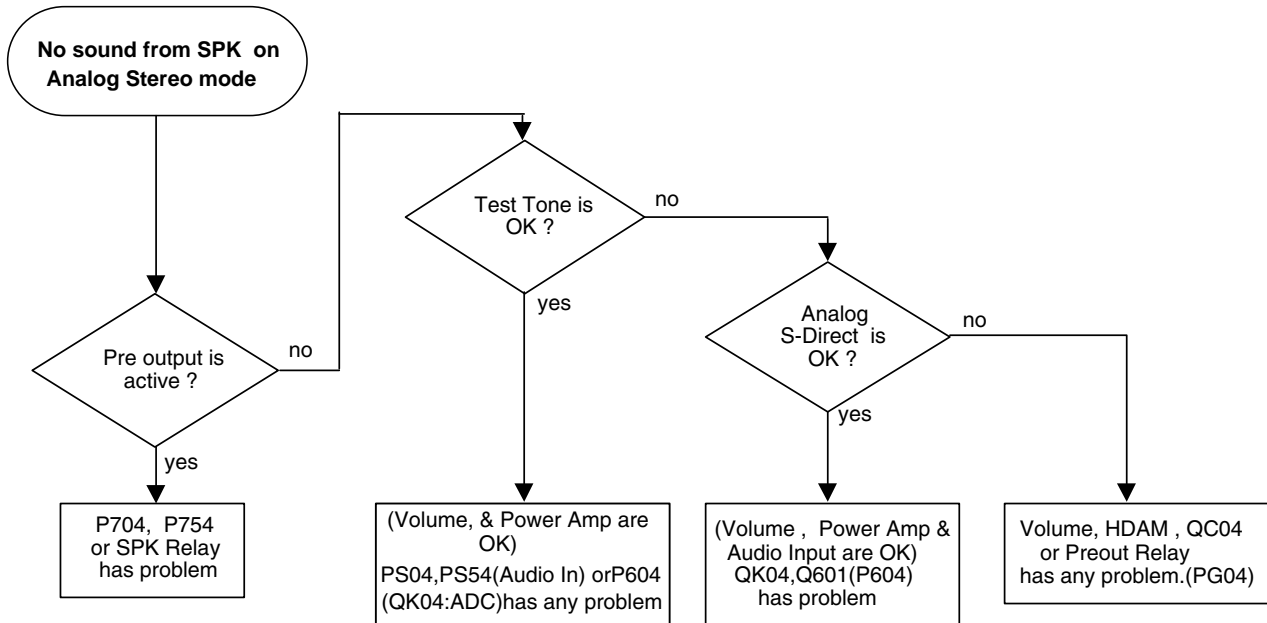
Step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to FM antenna terminal. (75 Ω)	98 MHz	Level 500 μV (54 dB) <b>L channel</b> 1 kHz / Dev. 40 kHz 53.3% PILOT 19 kHz / Dev. 6 kHz 8% (K, N, S)	98 MHz (P2)	IF COIL in FRONT END	Distortion level <b>Minimum</b> at TAPE-OUT L channel
2			<b>R channel</b> 1 kHz / Dev. 67.5 kHz 90% PILOT 19 kHz / Dev. 6.75 kHz 9% (U)		Only Confirm	Distortion level <b>Simimilar</b> as L channel at TAPE-OUT R channel

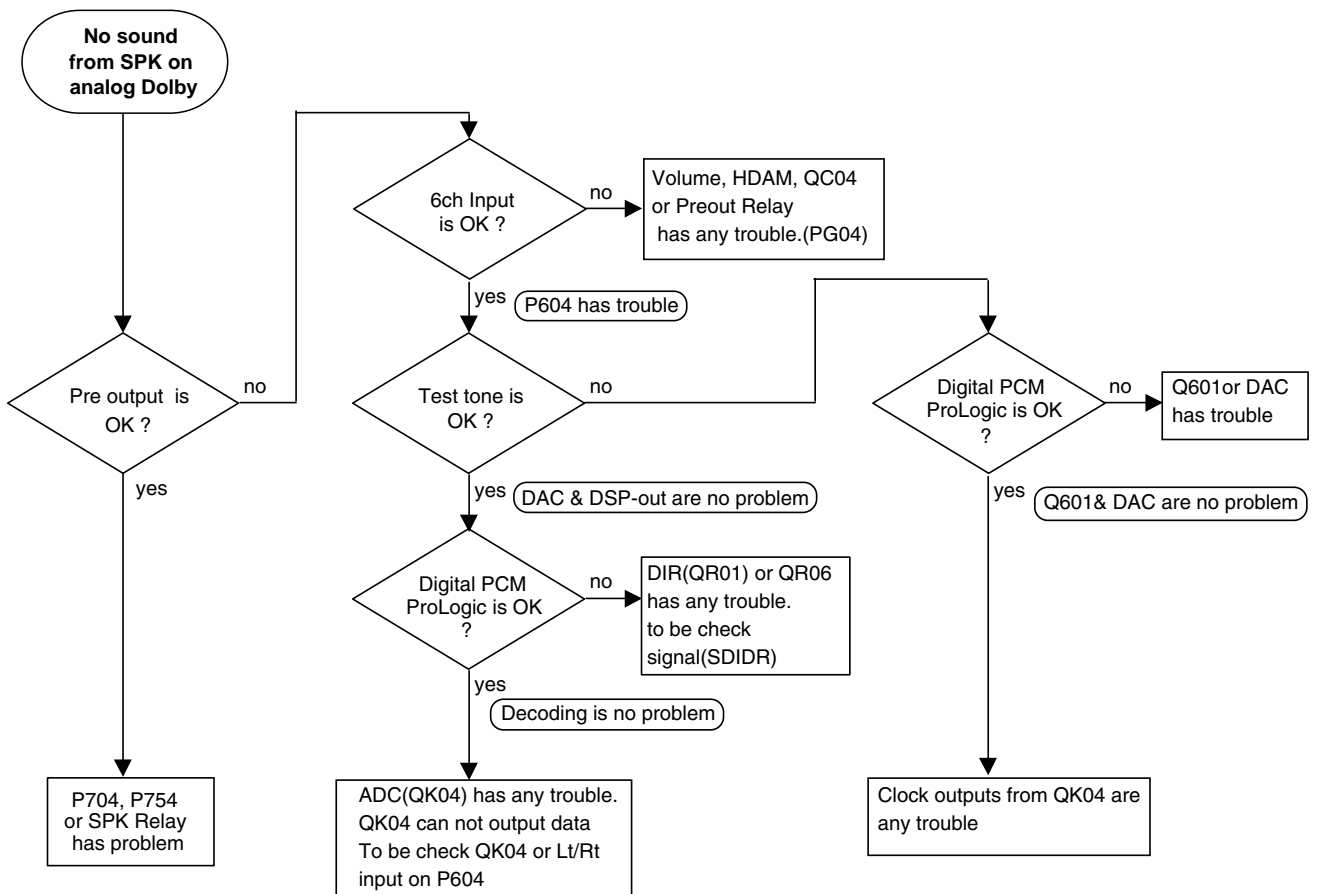
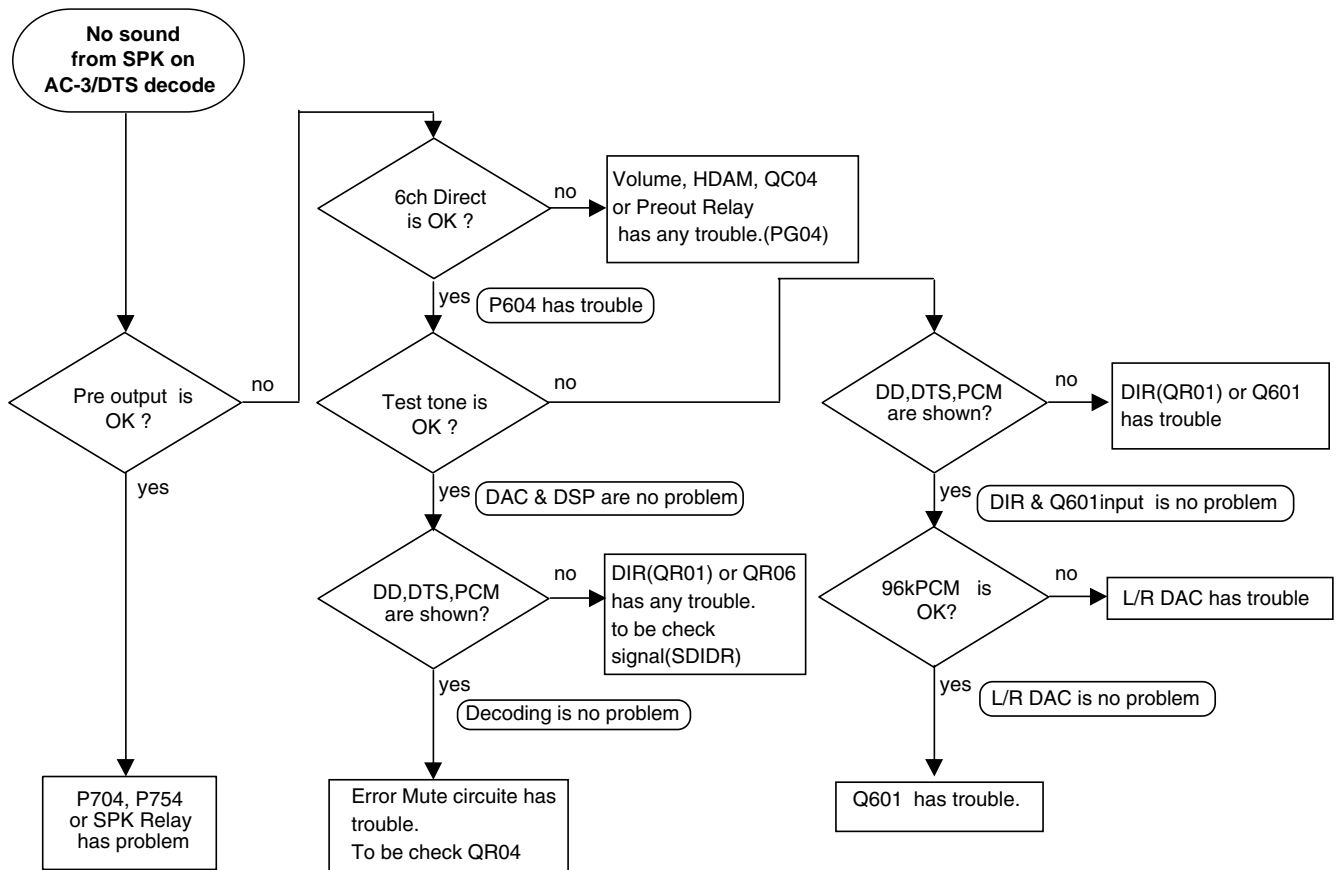
## 8. FM STEREO Separation Adjustment

Step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to FM antenna terminal. (75 Ω)	98 MHz	same specification as <b>FM STEREO distortion adjustment</b> . Input only <b>L channel</b> .	98 MHz (P2)	R211	Output level <b>Minimum</b> at TAPE-OUT R channel
2		98 MHz	same specification as <b>FM STEREO distortion adjustment</b> . Input only <b>R channel</b> .	98 MHz (P2)	R211	Output level <b>Similar</b> as R ch. at TAPE-OUT R channel

## 11. TROUBLE SHOOTING







## 12. TECHNICAL DESCRIPTION FOR DECODER

This product has a decoder for Dolby Digital (AC-3) and DTS (Digital Theater System).

So Multi channel sound is reproduced by connecting with DVD player or LD player.

Also Dolby Pro Logic decode is available to analog audio and PCM digital audio.

Additionally, 96kHz PCM stereo audio playback is possible.

Decode circuit is consist of 4 ICs (DIR, DSP, CODEC, and CPU).

### DOLBY DIGITAL (AC-3)

Dolby Digital delivers six totally separate (discrete) channels of sound. Like Dolby Surround Pro Logic, it includes Left, Center and Right channels across the front of the room. Dolby Surround Pro Logic provides a single limited-bandwidth (100Hz to 7,000 Hz) surround channel which is typically played back in the home through two channels of amplification and two speakers. In comparison, Dolby Digital provides separate (discrete) left surround and right surround channels, for more precise localization of sounds and a more convincing, realistic ambience. And, with Dolby Digital, all five main channels are full range (3 Hz to 20,000 Hz). A subwoofer could be added to each channel, if desired.

The sixth channel, the Low Frequency Effects Channel, will, at times, contain additional bass information to maximize the impact of scenes such as explosions, crashes, etc. Because this channel has only a limited frequency response (3 Hz to 120Hz), it is sometimes referred to as the ".1" channel. When added to the 5 full range channels, the Dolby Digital system is sometimes referred to as having "5.1" channels.

### DTS

An amazing new technology for surround-sound entertainment, DTS Digital Surround is an encode/decode system that delivers six channels (5.1) of master-quality, 20-bit audio. In the encoding process, the DTS algorithm encrypts six channels of 20-bit digital audio information in the space previously allotted for only two channels of 16-bit linear PCM. Then during playback, the DTS decoder reconstructs the original six channels of 20-bit digital audio. Each of these six channels is audibly superior to the 16-bit linear PCM audio found on conventional compact discs.

### DIR (Digital audio Interface Receiver)

This circuit extracts synchronized clock signals and data from SPDIF signal input.

QR01 (CS8414) generates these signals; this chip supports 96kHz sample rate.

### DSP (Digital Signal Processor for Dolby Digital/Pro Logic/DTS)

Q601 (YSS912) decodes 6 channels audio from encoded data signal input.

Some effects are processed in addition to multi channel decode on HALL, MATRIX, and MOVIE mode.

### DAC (Digital to Analog Converter : QD01 /AD1855)\*

The AD1855 is a high performance, single-chip stereo audio DAC. This chip is used for FRONT L/R channel.

### Multi channel CODEC (2 channel ADC & 4\* or 6 channel DAC)

2 channel ADC and 4 channel DAC are in QK04 (AK4526).

4\* or 6 channel analog audio signals (Front L/R SURROUND L/R, CENTER, LEF) are converted from output data of DSP.

Digital signal is converted from analog audio input for Pro Logic or other effect mode.

### SUB CPU (Q691:uPD78018FGC)

This chip controls ICs in P604 and communicates with QU01.

Connect to QU01 with serial interface lines.

\* : SR8000 only



# 13. ELECTRICAL PARTS LIST

## ASSIGNMENT OF COMMON PARTS CODES.

### RESISTORS

R\*\*\*: 1) GD05 × × × 140, Carbon film fixed resistor, ±5% 1/4W

R\*\*\*: 2) GD05 × × × 160, Carbon film fixed resistor, ±5% 1/6W

① — Resistance value

Examples ;

① Resistance value

0.1 Ω .... 001	10 Ω .... 100	1 kΩ .... 102	100 kΩ .... 104
0.5 Ω .... 005	18 Ω .... 180	2.7 kΩ .... 272	680 kΩ .... 684
1 Ω .... 010	100 Ω .... 101	10 kΩ .... 103	1 MΩ .... 105
6.8 Ω .... 068	390 Ω .... 391	22 kΩ .... 223	4.7 MΩ .... 475

**Note** : Please distinguish 1/4W from 1/6W by the shape of parts used actually.

### CAPACITORS

C\*\*\*: CERAMIC CAP.

3) DD1 × × × × 370, Ceramic capacitor  
Disc type  
Temp.coef.P350 ~ N1000, 50V  
② — Capacity value  
③ — Tolerance

Examples ;

② Tolerance (Capacity deviation)

±0.25 pF .... 0  
±0.5 pF .... 1  
±5% .... 5

\* Tolerance of COMMON PARTS handled here are as follows :

0.5 pF ~ 5 pF .... ±0.25 pF  
6 pF ~ 10 pF .... ±0.5 pF  
12 pF ~ 560 pF .... ±5%

③ Capacity value

0.5 pF .... 005	3 pF .... 030	100 pF .... 101
1 pF .... 010	10 pF .... 100	220 pF .... 221
1.5 pF .... 015	47 pF .... 470	560 pF .... 561



C\*\*\*: CERAMIC CAP.

4) DK16 × × × 300, High dielectric constant ceramic capacitor  
Disc type  
Temp.chara. 2B4, 50V  
④ — Capacity value

Examples ;

④ Capacity value

100 pF .... 101	1000 pF .... 102	10000 pF .... 103
470 pF .... 471	2200 pF .... 222	

C\*\*\*: 5) ELECTROLY CAP. (  ), 6) FILM CAP. (  )

5) EA × × × × × 10, Electrolytic capacitor  
One-way lead type, Tolerance ±20%  
⑤ — Working voltage  
⑥ — Capacity value

Examples ;

⑤ Capacity value

0.1 μF .... 104	4.7 μF .... 475	100 μF .... 107
0.33 μF .... 334	10 μF .... 106	330 μF .... 337
1 μF .... 105	22 μF .... 226	1100 μF .... 118
		2200 μF .... 228

⑥ Working voltage

6.3V .... 006	25V .... 025
10V .... 010	35V .... 035
16V .... 016	50V .... 050

6) DF15 × × × 350 — Plastic film capacitor  
DF15 × × × 310 — One-way type, Mylar ±5% 50V  
DF16 × × × 310 — Plastic film capacitor  
One-way type, Mylar ±10% 50V  
⑦ — Capacity value

Examples ;

⑦ Capacity value

0.001 μF (1000 pF) .... 102	0.1 μF .... 104
0.0018 μF ..... 182	0.56 μF .... 564
0.01 μF ..... 103	1 μF .... 105
0.015 μF ..... 153	

**NOTE** : 1) The above CODES ( R\*\*\*, R\*\*\*, C\*\*\*, C\*\*\* and C\*\*\* ) are omitted on the schematic diagram in some case.

2) On the occasion, be confirmed the common parts on the parts list.

3) Refer to "Common Parts List" for the other common parts (R105, DD4, DK4).

## NOTE ON SAFETY FOR FUSIBLE RESISTOR :

The suppliers and their type numbers of fusible resistors are as follows;

1. KOA Corporation

Part No. (MJI)	Type No. (KOA)	Description
NH05 × × × 140	RF25S × × × × ΩJ	(±5% 1/4W)
NH05 × × × 120	RF50S × × × × ΩJ	(±5% 1/2W)
NH85 × × × 110	RF73B2A × × × × ΩJ	(±5% 1/10W)
NH95 × × × 140	RF73B2E × × × × ΩJ	(±5% 1/4W)

\* Resistance value (0.1 Ω – 10 kΩ)

2. Matsushita Electronic Components Co., Ltd

Part No. (MJI)	Type No. (MEC)	Description
NF05 × × × 140	ERD-2FCJ × × ×	(±5% 1/4W)
RF05 × × × 140		
NF02 × × × 140	ERD-2FCG × × ×	(±2% 1/4W)
RF02 × × × 140		

\* Resistance value

Examples ;



\* Resistance value

0.1 Ω .... 001	10 Ω .... 100	1 kΩ .... 102	100 kΩ .... 104
0.5 Ω .... 005	18 Ω .... 180	2.7 kΩ .... 272	680 kΩ .... 684
1 Ω .... 010	100 Ω .... 101	10 kΩ .... 103	1 MΩ .... 105
6.8 Ω .... 068	390 Ω .... 391	22 kΩ .... 223	4.7 MΩ .... 475


## ABBREVIATION AND MARKS

ANT. : ANTENNA	BATT. : BATTERY
CAP. : CAPACITOR	CER. : CERAMIC
CONN. : CONNECTING	DIG. : DIGITAL
HP : HEADPHONE	MIC. : MICROPHONE
μ-PRO : MICROPROCESSOR	REC. : RECORDING
RES. : RESISTOR	SPK : SPEAKER
SW : SWITCH	TRANSF. : TRANSFORMER
TRIM. : TRIMMING	TRS. : TRANSISTOR
VAR. : VARIABLE	X'TAL : CRYSTAL

## NOTE ON SAFETY :

Symbol  Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol  . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

## 安全上の注意 :

 がついている部品は、安全上重要な部品です。必ず指定されている部品番号の部品を使用して下さい。

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
			<b>P101-FM AM TUNER CIRCUIT BOARD</b>						
			<b>P101-CAPACITORS</b>						
C201		532212234098	CER. CHIP 0.01μF	DK56103300	C503		482212490353	ELECT. 100μF M 10V RA-2	OA10701020
C202		532212234098	CER. CHIP 0.01μF	DK56103300	C504		532212234098	CER. CHIP 0.01μF	DK56103300
C203			CER. CHIP 0.047μF B 50V	DK56473300	C505		996500003389	ELECT. 2.2μF 50V BP	EQ22505090
C204			CER. CHIP 0.047μF B 50V	DK56473300	C507		532212234098	CER. CHIP 0.01μF	DK56103300
C205		482212442182	ELECT. 3.3μF M 50V	OA33505020	C508		482212490354	ELECT. 100μF M 16V RA-2	OA10701620
C206		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	C510		532212232531	CER. CHIP 100pF	DD55101300
C207		482212490353	ELECT. 100μF M 10V RA-2	OA10701020	C511		532212234098	CER. CHIP 0.01μF	DK56103300
C208			CER. 0.047μF B 50V	DK56473300	C512		482212230043	CER. CHIP 0.01μF Z 50V	DK18103310
C209		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	C513	/N	482212610364	CER. 100pF UP050B101K-A	DA16101110
C210		532212234098	CER. CHIP 0.01μF	DK56103300	CA01		482212550384	TRIM. VCT51E 20pF	CT12000200
C211		482212440763	ELECT. 2.2μF M 50V RA-2	OA22505020	CA02			CER. CHIP 0.047μF B 50V	DK56473300
C212		482212441543	ELECT. 1μF M 50V RA-2	OA10505020	CA03		482212233204	CER. CHIP 15pF	DD55150300
C213		482212422273	ELECT. 0.47μF M 50V RA-2	OA47405020	CA04		482212142466	FILM CHIP 390pF 100V ECQ-P	DF15391550
C214		482212422698	ELECT. 47μF M 25V RA-2	OA47602520	CA05		532212232452	CER. CHIP 47pF CH	DD55470300
C215			CER. 0.047μF B 50V	DK56473300	CA06		532212234098	CER. CHIP 0.01μF	DK56103300
C216		482212490354	ELECT. 100μF M 16V RA-2	OA10701620	CA07	/N	532212234098	CER. CHIP 0.01μF	DK56103300
C218		532212234098	CER. CHIP 0.01μF	DK56103300	CA08	/N	482212550384	TRIM. VCT51E 20pF	CT12000200
C219		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CA09	/N	482212233204	CER. CHIP 15pF	DD55150300
C220		482212233127	CER. CHIP 2200pF	DK56222300	CA11	/N	482212233514	CER. CHIP 68pF	DD55680300
C222		532212610511	CER. CHIP 0.001μF	DK56102300	CA12	/N	532212233538	CER. CHIP 150pF	DD55151300
C223		532212234098	CER. CHIP 0.01μF	DK56103300	CA13	/N	532212234098	CER. CHIP 0.01μF	DK56103300
C225		532212234098	CER. CHIP 0.01μF	DK56103300	CA14	/N	532212234098	CER. CHIP 0.01μF	DK56103300
C226		532212234098	CER. CHIP 0.01μF	DK56103300	CA18		482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020
C227	/U	482212233127	CER. CHIP 2200pF	DK56222300				<b>P104-CAPACITORS (COMMON)</b>	
C233		532212234098	CER. CHIP 0.01μF	DK56103300				PLASTIC FILM CAPACITOR	
C234		482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020				±5% 50V : C217 C301 C302	
C235		532212234098	CER. CHIP 0.01μF	DK56103300				C309-C310[K]	
C236		532212234098	CER. CHIP 0.01μF	DK56103300				<b>P101-RESISTORS</b>	
C237		532212234098	CER. CHIP 0.01μF	DK56103300				10kΩ ±5% 1/2W	GG05103120
C303		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	▲ R101	/U	482205021003	CHIP 100Ω ±5% 1/10W	NI05101110
C304		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	R201	/K,/N,/S	482205120101	CHIP	NI05000110
C305	/K,/N,/S	482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020	R201	/U	482211190892	CHIP	NI05000110
C306	/K,/N,/S	482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020	R202		482205120391	CHIP 390Ω ±5% 1/10W	NI05391110
C311		482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020	R203		482211711449	CHIP 2.2kΩ ±5% 1/10W	NI05222110
C312		482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020	R204		482211191192	CHIP 470Ω ±5% 1/10W	NI05471110
C313	/K,/N,/S	482212422698	ELECT. 47μF M 25V RA-2	OA47602520	R205		482205120331	CHIP 330Ω ±5% 1/10W	NI05331110
C314	/K,/N,/S	482212422698	ELECT. 47μF M 25V RA-2	OA47602520	R206		482211191139	CHIP 6.8kΩ ±5% 1/10W	NI05682110
C315	/K,/N,/S	532212234098	CER. CHIP 0.01μF	DK56103300	▲ R207		482205021801	180Ω ±5% 1/4W	GG05181140
C316	/K,/N,/S	532212234098	CER. CHIP 0.01μF	DK56103300	R208		996500003405	CHIP 2.7kΩ ±5% 1/6W	NI05272110
C317	/K,/N,/S	532212232531	CER. CHIP 100pF	DD55101300	R209		482211190918	CHIP 4.7kΩ ±5% 1/6W	NI05472110
C318	/K,/N,/S	532212232531	CER. CHIP 100pF	DD55101300	R210		482205120332	CHIP 3.3kΩ ±5% 1/6W	NI05332110
C319	/K,/N,/S	482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020	R211	/K,/N,/S	482210011352	TRIM. 22kΩ RH0638CJ4R	RA02230780
C320	/K,/N,/S	482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020	R211	/U	482210011351	TRIM. 10kΩ RH0638CS3R	RA01030780
C351	/N,/S	532212234098	CER. CHIP 0.01μF	DK56103300	R212		482210011351	TRIM. 10kΩ RH0638CS3R	RA01030780
C352	/N,/S	532212421731	ELECT. 10μF M 50V RA-2	OA10605020	R213		482205120479	CHIP 47Ω ±5% 1/6W	NI05470110
C353	/N,/S	482212233805	CER. CHIP 330pF	DK56331300	R214		482211710834	CHIP 47kΩ ±5% 1/6W	NI05473110
C354	/N,/S	482212233137	CER. CHIP 560pF	DK56561300	R215	/K,/N,/S	482211190925	CHIP 68kΩ ±5% 1/6W	NI05683110
C355	/N,/S	532212234098	CER. CHIP 0.01μF	DK56103300	R215	/U	482205120273	CHIP 27kΩ ±5% 1/6W	NI05273110
C356	/N,/S	482212233204	CER. CHIP 15pF	DD55150300	R216		482211190892	CHIP 0Ω ±5% 1/6W	NI05000110
C357	/N,/S	482212233204	CER. CHIP 15pF	DD55150300	▲ R217		482205021801	180Ω ±5% 1/4W	GG05181140
C358	/N,/S	532212421731	ELECT. 10μF M 50V RA-2	OA10605020	R220		482205120101	CHIP 100Ω ±5% 1/10W	NI05101110
C359	/N,/S	532212421731	ELECT. 10μF M 50V RA-2	OA10605020					
C360	/N,/S	532212610511	CER. CHIP 0.001μF	DK56102300	R301	/K,/N,/S	482205120479	CHIP 47Ω ±5% 1/10W	NI05470110
C361	/N,/S	532212232531	CER. CHIP 100pF	DD55101300	R302	/K,/N,/S	482205120479	CHIP 47Ω ±5% 1/10W	NI05470110
C363	/N,/S	532212232531	CER. CHIP 100pF	DD55101300	R303	/K,/N,/S	482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
C364	/N,/S	532212232531	CER. CHIP 100pF	DD55101300	R304	/K,/N,/S	482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
C365	/N,/S	482212422698	ELECT. 47μF M 25V RA-2	OA47602520	R307		482205120153	CHIP 220Ω ±5% 1/10W	NI05221110
C367		532212232531	CER. CHIP 100pF	DD55101300	R308		482205120153	CHIP 220Ω ±5% 1/10W	NI05221110
C368		532212232531	CER. CHIP 100pF	DD55101300	R309		482211710834	CHIP 47kΩ ±5% 1/10W	NI05473110
C370		532212232531	CER. CHIP 100pF	DD55101300	R310		482211710834	CHIP 47kΩ ±5% 1/10W	NI05473110
C371		532212232531	CER. CHIP 100pF	DD55101300	▲ R313	/K,/N,/S	482211683929	220Ω ±5% 1/4W	GG05221140
C372		532212232531	CER. CHIP 100pF	DD55101300	▲ R314	/K,/N,/S	482211683929	220Ω ±5% 1/4W	GG05221140
C373	/N,/S	482212612061	CER. CHIP 0.1μF B 25V	DK56104200	R315		996500003405	CHIP 2.7kΩ ±5% 1/10W	NI05272110
C501		532212232452	CER. CHIP 47pF CH	DD55470300	R316		996500003405	CHIP 2.7kΩ ±5% 1/10W	NI05272110
C502		532212232452	CER. CHIP 47pF CH	DD55470300	R317	/K,/N,/S	482211710834	CHIP 47kΩ ±5% 1/10W	NI05473110
					R318	/K,/N,/S	482211710834	CHIP 47kΩ ±5% 1/10W	NI05473110
					R319	/K,/N,/S	482205120153	CHIP 15kΩ ±5% 1/10W	NI05153110
					R320	/K,/N,/S	482205120153	CHIP 15kΩ ±5% 1/10W	NI05153110

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R321	/U	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	QA05	/N	482213061227	DIG.TRS.	BA10001000
R322	/U	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	QA06	/N	482213060588	DTA114ES UN4111 10K 10K	BA20001000
R323		482211190918	CHIP 4.7kΩ ±5%	NI05472110				DIG.TRS.	
R352	/N,/S	482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110				DTC114ES UN4211 10K 10K	
R353	/N,/S	482211710834	CHIP 47kΩ ±5% 1/10W	NI05473110					
R355	/N,/S	482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110					
R502		482211711449	CHIP 2.2kΩ ±5% 1/10W	NI05222110	▲ A101		996500003387	<b>P101-MISCELLANEOUS</b>	
R504		482211190918	CHIP 4.7kΩ ±5% 1/10W	NI05472110				VHF TUNER	AV01202270
R505		482205120102	CHIP 1kΩ ±5% 1/10W	NI05102110	F201	/K,/N	482224270665	FM FRONT END EF415-G23	FF11070620
R506		482205120102	CHIP 1kΩ ±5% 1/10W	NI05102110	F201	/U	482224270911	CER. FILTER SFE10.7MS3-A	FF11070610
R507		482211190925	CHIP 68kΩ ±5% 1/10W	NI05683110	F202		482224270665	CER. FILTER SFF10.7MA8-A	FF11070620
R508	/K,/U	482211710834	CHIP 47kΩ ±5% 1/10W	NI05473110	FA01			CER. FILTER SFE10.7MS3-A	FF10045410
R509		482205120223	CHIP 22kΩ ±5% 1/10W	NI05223110				CER. FILTER SFZ450JL3 451K	
R510		482211190918	CHIP 4.7kΩ ±5% 1/10W	NI05472110	J101		482229081632	TERMINAL YKD31-0215A	YT03030020
R511		482205120822	CHIP 8.2kΩ ±5% 1/10W	NI05822110	J105			FM AM ANT PAL TYPE	
R513		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110				PLUG SOCKET 12P 12MQ-ST-L	YP06902090
R515		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110	L201		482215763904	I.F.T. COIL FM DET	LI70376010
R517	/N,/S	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110				M292BEAS-5968Z	
RA01		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110	L301		482215771731	M.P.X. COIL LPF-V10-A1	LS10293020
RA02		482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110				19 38kHz	
RA03	/N	482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110	L302		482215771731	M.P.X. COIL LPF-V10-A1	LS10293020
RA04	/N	482205120154	CHIP 150kΩ ±5% 1/10W	NI05154110				19 38kHz	
RA06	/N	482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110	L350	/N,/S	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110
RA07	/N	482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110	L356				
RA08	/N	482205120154	CHIP 150kΩ ±5% 1/10W	NI05154110	L359	/N,/S	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110
RA09	/N	482211711449	CHIP 2.2kΩ ±5% 1/10W	NI05222110	L501				
RA10	/N	482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110	L504		482211190892	CHIP 0Ω ±5% 1/10W	NI05000110
RA11		482210011351	TRIM. 10kΩ RH0638CJ4R	RA01030780	LA01		482215763084	MW ANT COIL 280μH	LA10295170
RA12	/K,/S,/U	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	LA02		482215770779	OSC. COIL MW	LO70013010
RA13	/K,/S,/U	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	LA03	/N	482215752714	LW ANT COIL FOR LA1267	LA10295160
RA14	/K,/S,/U	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	LA04	/N	482215770781	OSC. COIL LW OSC	LO70013020
			<b>P101-SEMICONDUCTORS</b>		LA05		482215753589	CHOKO COIL TL-8 393J	LC23960710
D201		482213033944	CHIP DIODE DAN202K	HZ20002210	LA06		482214881095	I.F.T. COIL AM IFT K7-H5	LI70033510
D202		996500003403	CHIP ZENER DIODE 02CZ9.1-X	HZ30031050				FOR SFP450D	
D502	/N	996500003082	CHIP DIODE MA704WA	HZ20043020	S301	/K	482227721712	SLIDE SWITCH SSSS92	SS02021470
D504		996500003401	CHIP DIODE RB425D	HZ20030210					
DA01		482212550416	VARICAP SVC342-L	HD40009030	X351	/N,/S	482224210857	CRYSTAL 4.332MHz AT-49	JX04003260
DA02	/N	996500003402	CHIP DIODE 1SS356-TW11	HZ21302210	X501		482224272333	CRYSTAL AD0618CTB 7.2MHz	JX07001260
DA03	/N	482212550416	VARICAP SVC342-L	HD40009030					
DA04	/N	996500003402	CHIP DIODE 1SS356-TW11	HZ21302210				<b>P604-DOLBY DTS DSP</b>	
DA05		996500003400	CHIP DIODE MA716	HZ20030020				<b>CIRCUIT BOARD</b>	
Q201		996500001369	IC LA1837 FM AM IF MPX	HC10384030	C601		482212611703	<b>P604-CAPACITORS</b>	
Q202		482213062294	TRS. 2SC1809S P	HT318091P0	C602		482212611703	CER. CHIP 0.01μF	DK98103300
			150MW 500MHz		C603		482212490353	CER. CHIP 0.01μF	DK98103300
Q203		482213061227	DIG.TRS.	BA10001000	C607		482212611687	ELECT. 100μF 10V	OA10701020
			DTA114ES UN4111 10K 10K		C608		482212233761	CER. CHIP 0.1μF	DK98104200
Q204		482213042594	DIG.TRS.	BA20002000	C609		482212233761	CER. CHIP 22pF 50V	DD95220300
			DTC144ES UN4213 47K 47K		C610		482212611687	CER. CHIP 22pF 50V	DD95220300
Q301	/K,/N,/S	482220983631	IC NJM4558MD	HC10035090	C611		482212611687	CER. CHIP 0.1μF	DK98104200
Q351	/N,/S	482220916175	IC LC72720L RDS DECODER	HC10385030	C612		482212490353	ELECT. 100μF 10V	OA10701020
Q352	/N,/S	482213061227	DIG.TRS.	BA10001000	C613		482212611687	FILM FILM CAP	DF15471350
			DTA114ES UN4111 10K 10K		C614		482212611687	CER. CHIP 1μF	DK98104200
Q353	/N,/S	482213060588	DIG.TRS.	BA20001000	C615		482212611687	CER. CHIP 0.1μF	DK98104200
			DTC114ES UN4211 10K 10K		C616		532212611583	CER. CHIP 0.1μF	DK98104200
Q354	/N,/S	482213041947	TRS. 2SC2458 2SC1740S	HT30001000	C617		482212611687	CER. CHIP 0.01μF 50V	DK96103200
			2SC3199 ETC		C618		482212611687	CER. CHIP 0.1μF	DK98104200
Q501		996500001370	IC LC72130	HC10394030	C619		482212490353	CER. CHIP 0.1μF	DK98104200
QA01	/N	482213041947	TRS. 2SC2458 2SC1740S	HT30001000	C620		482212490353	ELECT. 100μF 10V	OA10701020
			2SC3199 ETC.		C621		482212611687	ELECT. 100μF 10V	OA10701020
QA02	/N	482213041947	TRS. 2SC2458 2SC1740S	HT30001000	C622		482212490353	CER. CHIP 0.1μF	DK98104200
			2SC3199 ETC.		C623		482212611687	ELECT. 100μF 10V	OA10701020
QA03	/N	482213061892	TRS. 2SD2144S U OR V	HT421442A0	C624		482212611687	CER. CHIP 0.1μF	DK98104200
QA04	/N	482213061227	DIG.TRS.	BA10001000	C626		482212490353	ELECT. 100μF 10V	OA10701020
			DTA114ES UN4111 10K 10K		C691		482212231765	CER. CHIP 100pF 50V	DD95101300
					C692		482212611687	CER. CHIP 0.1μF	DK98104200

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C693		482212611687	CER. CHIP 0.1μF	DK98104200	CJ53	8000		FILM 0.001μF J M 50V	DF15102350
C694		482212490353	ELECT. 100μF 10V	OA10701020	CJ54	8000		FILM 0.27μF J 50V	DF15274350
C695		482212231765	CER. 100pF 50V	DD95101300	CJ55	8000	482212110792	FILM 220pF ±10% 100V PP	OF15221540
CD01	8000	482212490353	ELECT. 100μF 10V	OA10701020	CJ56	8000		FILM 0.022μF J M 50V	DF15223350
CD02	8000	482212611687	CER. CHIP 0.1μF	DK98104200	CJ59	8000	482212110792	FILM 220pF ±10% 100V PP	OF15221540
CD03	8000	482212490353	ELECT. 100μF 10V	OA10701020	CJ60	8000		FILM 0.022μF J M 50V	DF15223350
CD04	8000	482212611687	CER. CHIP 0.1μF	DK98104200	CJ65		482212110792	FILM 220pF	OF15221540
CD05	8000	532212421731	ELECT. 10μF 50V	OA10605020	CJ65	8000		FILM 0.001μF J M 50V	DF15102350
CD06	8000	482212611687	CER. CHIP 0.1μF	DK98104200	CJ66		482212611568	CER. 470pF 50V	DK96471300
CD07	8000	532212421731	ELECT. 10μF 50V	OA10605020	CJ67		482212611687	CER. CHIP 0.1μF	DK98104200
CD08		482212611687	CER. CHIP 0.1μF	DK98104200	CJ68		482212611687	CER. CHIP 0.1μF	DK98104200
CD09		482212490353	ELECT. 100μF 10V	OA10701020	CJ69		532212421731	ELECT. 10μF 50V	OA10605020
CD55		482212611703	CER. CHIP 0.01μF	DK98103300	CJ70		532212421731	ELECT. 10μF 50V	OA10605020
CD59		482212611703	CER. CHIP 0.01μF	DK98103300	CJ71		482212490353	ELECT. 100μF 10V	OA10701020
CD60		482212490353	ELECT. 100μF 10V	OA10701020	CJ72		482212490353	ELECT. 100μF 10V	OA10701020
CD61		482212611703	CER. CHIP 0.01μF	DK98103300	CJ73		482212611703	CER. CHIP 0.01μF	DK98103300
CD62		482212611703	CER. CHIP 0.01μF	DK98103300	CJ74		482212611703	CER. CHIP 0.01μF	DK98103300
CD63		482212611703	CER. CHIP 0.01μF	DK98103300	CJ75		482212210172	CER. CHIP 220pF 50V	DK96221300
CD66		482212611703	CER. CHIP 0.01μF	DK98103300	CJ76		482212210172	CER. CHIP 220pF 50V	DK96221300
CD68		482212611703	CER. CHIP 0.01μF	DK98103300	CJ77		532212421731	ELECT. 10μF 50V	OA10605020
CD69		482212611703	CER. CHIP 0.01μF	DK98103300	CJ78		482212210172	CER. CHIP 220pF 50V	DK96221300
CD70		482212441535	ELECT. 100μF 25V	OA10702520	CJ79		482212210172	CER. CHIP 220pF 50V	DK96221300
CD71		482212441535	ELECT. 100μF 25V	OA10702520	CJ80		482212210172	CER. CHIP 220pF 50V	DK96221300
CD74		482212490353	ELECT. 100μF 10V	OA10701020	CJ83		482211141305	RES. 0Ω	GD05000140
CD76		482212490353	ELECT. 100μF 10V	OA10701020	CJ84		482211141305	RES. 0Ω	GD05000140
CD77		996500001318	ELECT. 220μF 10V	OA22701020	CJ85		532212421731	ELECT. 10μF 50V	OA10605020
CH01	8000		FILM 1000pF J 50V	DF15102350	CJ86		482212210172	CER. CHIP 220pF 50V	DK96221300
CH02	8000		FILM 1000pF J 50V	DF15102350	CJ87		532212421731	ELECT. 10μF 50V	OA10605020
CH03		482211682951	RES. 33kΩ ±5% 1/6W	GG05333160	CJ87	8000	482212441539	ELECT. 47μF 16V	OA47601620
CH03	8000		FILM 1000pF J 50V	DF15102350	CJ88		532212421731	ELECT. 10μF 50V	OA10605020
CH04		482211682951	RES. 33kΩ ±5% 1/6W	GG05333160	CJ89		482212233777	CER. CHIP 47pF RH 50	DD95470300
CH04	8000		FILM 1000pF J 50V	DF15102350	CJ90		482212233777	CER. CHIP 47pF RH 50	DD95470300
CH05	8000	482212110792	FILM 220pF ±10% 100V PP	OF15221540	CJ91	8000	482212441539	ELECT. 47μF 16V	OA47601620
CH06	8000	482212110792	FILM 220pF ±10% 100V PP	OF15221540	CJ92	8000	532212421731	ELECT. 10μF 50V	OA10605020
CH07	8000	482212110792	FILM 220pF ±10% 100V PP	OF15221540	CJ93	8000	482212233777	CER. CHIP 47pF RH 50	DD95470300
CH08	8000	482212110792	FILM 220pF ±10% 100V PP	OF15221540	CK01	/K,/N,/S	532212421731	ELECT. 10μF 50V RA-2	OA10605020
CH09	8000		FILM 1000pF J 50V	DF15102350	CK01	/U	532212421731	ELECT. 10μF 50V RA-2	OA10605020
CH10	8000		FILM 1000pF J 50V	DF15102350	CK02	/K,/N,/S	532212421731	ELECT. 10μF 50V RA-2	OA10605020
CH11		482212490362	ELECT. 22μF 50V	OA22605020	CK02	/U,/N,/S	532212421731	ELECT. 10μF 50V RA-2	OA10605020
CH12		482212490362	ELECT. 22μF 50V	OA22605020	CK03		482212233753	CER. CHIP 150pF ±5% CG 50V	DD95151300
CH13		482212611687	CER. CHIP 0.1μF	DK98104200	CK04		482212233753	CER. CHIP 150pF ±5% CG 50V	DD95151300
CH14	8000	482212611687	CER. CHIP 0.1μF	DK98104200	CK05		482212233777	CER. CHIP 47pF RH 50	DD95470300
CH15	8000	482212611687	CER. CHIP 0.1μF	DK98104200	CK06		482212233777	CER. CHIP 47pF RH 50	DD95470300
CH16		482212611687	CER. CHIP 0.1μF	DK98104200	CK12		482212611687	CER. CHIP 0.1μF	DK98104200
CH21		482212412404	ELECT. 220μF 16V	OA22701620	CK13		532212421731	ELECT. 10μF 50V	OA10605020
CH22		482212412404	ELECT. 220μF 16V	OA22701620	CK14		532212421731	ELECT. 10μF 50V	OA10605020
CH23		482212611687	CER. CHIP 0.1μF	DK98104200	CK15		482212490353	ELECT. 100μF 10V	OA10701020
CH24		482212611687	CER. CHIP 0.1μF	DK98104200	CK16		482212611687	CER. CHIP 0.1μF	DK98104200
CH25		482212210172	CER. CHIP 220pF 50V	DK96221300	CK17		532212421731	ELECT. 10μF 50V	OA10605020
CH26		482212210172	CER. CHIP 220pF 50V	DK96221300	CK18				
CH29	7000	482212233777	CER. CHIP 47pF RH 50	DD95470300			482212611687	CER. CHIP 0.1μF	DK98104200
CH30	7000	482212233777	CER. CHIP 47pF RH 50	DD95470300	CK21				
CH31	8000	482212233777	CER. CHIP 47pF RH 50	DD95470300	CK22		482212611568	CER. CHIP 470pF 50V	DK96471300
CH32	8000	482212233777	CER. CHIP 47pF RH 50	DD95470300	CK23		482212490353	ELECT. 100μF 10V	OA10701020
CJ01		532212421731	ELECT. 10μF 50V	OA10605020	CK24		482212611687	CER. CHIP 0.1μF	DK98104200
CJ02		532212421731	ELECT. 10μF 50V	OA10605020	CK25		482211141305	RES. 0Ω	GD05000140
CJ13		532212421731	ELECT. 10μF 50V	OA10605020	CK26		482211141305	RES. 0Ω	GD05000140
CJ14		532212421731	ELECT. 10μF 50V	OA10605020	CR01		482212611687	CER. CHIP 0.1μF	DK98104200
CJ17		482212210172	CER. CHIP 220pF 50V	DK96221300	CR02		482212611687	CER. CHIP 0.1μF	DK98104200
CJ18		482212210172	CER. CHIP 220pF 50V	DK96221300	CR03		482212611687	CER. CHIP 0.1μF	DK98104200
CJ30		482212611687	CER. CHIP 0.1μF	DK98104200	CR04		482212613837	CER. CHIP 0.1μF 50V	DK96104200
CJ33	7000	532212421731	ELECT. 10μF 50V	OA10605020	CR05		482212613837	CER. CHIP 0.1μF 50V	DK96104200
CJ34	7000	532212421731	ELECT. 10μF 50V	OA10605020	CR06		482212613837	CER. CHIP 0.1μF 50V	DK96104200
CJ35		482212611687	CER. CHIP 0.1μF	DK98104200	CR07		482212490353	ELECT. 100μF 10V	OA10701020
CJ51	8000		FILM 0.001μF J M 50V	DF15102350	CR13		482212611687	CER. CHIP 0.1μF	DK98104200
CJ52	8000		FILM 0.27μF J 50V	DF15274350	CR14		482212611687	CER. CHIP 0.1μF	DK98104200
					CR16		482212611687	CER. CHIP 0.1μF	DK98104200
					CR17		482212490353	ELECT. 100μF 10V	OA10701020

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
CR18		482212611687	CER. CHIP 0.1 $\mu$ F	DK98104200	RH18	8000	482211683819	CHIP 18k $\Omega$ 1/16W	NN05183610
CR20		532212611583	CER. CHIP 0.01 $\mu$ F 50V	DK96103200	RH19		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
CR21		532212611583	CER. CHIP 0.01 $\mu$ F 50V	DK96103200	RH20		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
CR22		482212611687	CER. CHIP 0.1 $\mu$ F	DK98104200	RH21		482205130273	CHIP 27k $\Omega$ 1/16W	NN05273610
CR23		482212611687	CER. CHIP 0.1 $\mu$ F	DK98104200	RH22		482205130273	CHIP 27k $\Omega$ 1/16W	NN05273610
CR24		482212611687	CER. CHIP 0.1 $\mu$ F	DK98104200	RH23		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
CR26		482212611703	CER. CHIP 0.01 $\mu$ F	DK98103300	RH24		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
CR27		482212611703	CER. CHIP 0.01 $\mu$ F	DK98103300	RH25	8000	482205130123	CHIP 12k $\Omega$ 1/16W	NN05123610
CR28		482212490353	ELECT. 100 $\mu$ F 10V	OA10701020	RH26	8000	482205130123	CHIP 12k $\Omega$ 1/16W	NN05123610
CR29		482212611687	CER. CHIP 0.1 $\mu$ F	DK98104200	RH27		482205130101	CHIP 100 $\Omega$ 1/16W	NN05101610
CR30		532212611578	CER. CHIP 1000pF 50V	DK96102300	RH28		482205130101	CHIP 100 $\Omega$ 1/16W	NN05101610
CR31		482212611687	CER. CHIP 0.1 $\mu$ F	DK98104200	RH29		482211683819	CHIP 18k $\Omega$ 1/16W	NN05183610
CR33		482212611568	CER. CHIP 470pF 50V	DK96471300	RH29	8000	482211682487	CHIP 0k $\Omega$ 1/16W	NN05000610
CR34		482212613837	CER. CHIP 0.1 $\mu$ F 50V	DK96104200	RH30		482211683819	CHIP 18k $\Omega$ 1/16W	NN05183610
CR35		482212611687	CER. CHIP 0.1 $\mu$ F	DK98104200	RH30	8000	482211682487	CHIP 0k $\Omega$ 1/16W	NN05000610
CR36		482212490353	ELECT. 100 $\mu$ F 10V	OA10701020	RH33	8000	482205130274	CHIP 270k $\Omega$ 1/16W	NN05274610
			<b>P604-CAPACITORS (COMMON)</b>		RH34	8000	482205130274	CHIP 270k $\Omega$ 1/16W	NN05274610
			PLASTIC FILM CAPACITOR		RH35	7000	482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610
			±5% 50V : CH01-CH04[8000]		RH36	7000	482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610
			CH05 CH06 CH08-CH09[8000]						
			CH27 CH28 CJ05 CJ06 CJ09		RJ01		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
			CJ10 CJ51-CJ54[8000]		RJ02		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
			CJ56[8000] CJ59 CJ60[8000]		RJ05		482205130222	CHIP 2.2k $\Omega$ 1/16W	NN05222610
			CJ61CJ62 CJ65[8000] CK07		RJ06		482205130222	CHIP 2.2k $\Omega$ 1/16W	NN05222610
			CK08 CR19		RJ09		482205130222	CHIP 2.2k $\Omega$ 1/16W	NN05222610
			<b>P604-RESISTORS</b>		RJ10		482205130222	CHIP 2.2k $\Omega$ 1/16W	NN05222610
R601		482205130105	CHIP 1.0M $\Omega$ 1/16W	NN05105610	RJ13		482205130153	CHIP 15k $\Omega$ 1/16W	NN05153610
R602		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ14		482205130153	CHIP 15k $\Omega$ 1/16W	NN05153610
R603		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ17		482211683819	CHIP 18k $\Omega$ 1/16W	NN05183610
R604		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ18		482211683819	CHIP 18k $\Omega$ 1/16W	NN05183610
R605		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ21		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
R606		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ22		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
R609		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ25		482205130221	CHIP 220 $\Omega$ 1/16W	NN05221610
R672		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ26		482205130221	CHIP 220 $\Omega$ 1/16W	NN05221610
R691		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ29		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
R692		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ30		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
R694		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ33		482205130222	CHIP 2.2k $\Omega$ 1/16W	NN05222610
R695		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ34		482205130222	CHIP 2.2k $\Omega$ 1/16W	NN05222610
R697		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ35		482205130105	CHIP 1.0M $\Omega$ 1/16W	NN05105610
					RJ36		482205130105	CHIP 1.0M $\Omega$ 1/16W	NN05105610
RD02	8000	482211682487	CHIP 0k $\Omega$ 1/16W	NN05000610	RJ43	8000	482211682487	CHIP 0k $\Omega$ ±5% 1/16W	NN05000610
RD03	8000	482215710884	EMI FILTER BLM11A221S	FN31000010	RJ44	8000	482211682487	CHIP 0k $\Omega$ ±5% 1/16W	NN05000610
RD04	8000	482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610	RJ45		482205130102	CHIP 1k $\Omega$ 1/16W	NN05102610
RH01		482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ45	8000	482205130222	CHIP 2.2k $\Omega$ ± 5% 1/16W	NN05222610
RH02		482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ46		482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610
RH03	8000	482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ47		482205130101	CHIP 100 $\Omega$ 1/16W	NN05101610
RH04	8000	482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ48		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
RH05		482211713632	CHIP 100k $\Omega$ ±5% 1/16W	NN05104610	RJ51	7000	482205130103	CHIP 10k $\Omega$ 1/16W	NN05103610
RH05	8000	482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ54	8000	482205130223	CHIP 22k $\Omega$ ± 5% 1/16W	NN05223610
RH06		482211713632	CHIP 100k $\Omega$ ±5% 1/16W	NN05104610	RJ55		482205130222	CHIP 2.2k $\Omega$ 1/16W	NN05222610
RH06	8000	482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ55	8000	482205130332	CHIP 3.3k $\Omega$ 1/16W	NN05332610
RH07		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ56		482205130273	CHIP 27k $\Omega$ 1/16W	NN05273610
RH07	8000	482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ56	8000	482205130223	CHIP 22k $\Omega$ ± 5% 1/16W	NN05223610
RH08		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ57	8000	482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610
RH08	8000	482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ57	8000	482205130332	CHIP 3.3k $\Omega$ 1/16W	NN05332610
RH09		482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ58		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610
RH10		482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ58	8000	482205130223	CHIP 22k $\Omega$ ± 5% 1/16W	NN05223610
RH11		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ59		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610
RH11	8000	482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ59	8000	482205130332	CHIP 3.3k $\Omega$ 1/16W	NN05332610
RH12		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ60		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610
RH12	8000	482211683211	CHIP 1.8k $\Omega$ 1/16W	NN05182610	RJ60	8000	482205130223	CHIP 22k $\Omega$ ± 5% 1/16W	NN05223610
RH13		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ61		482205130222	CHIP 2.2k $\Omega$ 1/16W	NN05222610
RH13	8000	482205130472	CHIP 4.7k $\Omega$ 1/16W	NN05472610	RJ61	8000	482205130332	CHIP	NN05332610
RH14		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ62		482205130273	CHIP 27k $\Omega$ 1/16W	NN05273610
RH14	8000	482205130472	CHIP 4.7k $\Omega$ 1/16W	NN05472610	RJ62	8000	482205130223	CHIP 22k $\Omega$ ± 5% 1/16W	NN05223610
RH15	7000	482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ63		482205130153	CHIP 15k $\Omega$ ±5% 1/16W	NN05153610
RH16	7000	482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610	RJ63	8000	482211682487	CHIP 0k $\Omega$ 1/16W	NN05000610
RH17	8000	482211683819	CHIP 18k $\Omega$ 1/16W	NN05183610	RJ64		482211682487	CHIP 0 $\Omega$ 1/16W	NN05000610
					RJ65		482211712925	CHIP 47k $\Omega$ 1/16W	NN05473610
					RJ65	8000	482205130224	CHIP 220k $\Omega$ 1/16W	NN05224610

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
RJ67	8000	482205130221	CHIP 220Ω 1/16W	NN05221610	RR15	8000	482205130103	CHIP 10kΩ 1/16W	NN05103610
RJ67		482205130392	CHIP 3.9kΩ 1/16W	NN05392610	RR16		482205130759	CHIP 75Ω 1/16W	NN05750610
RJ68		482205130471	CHIP 470Ω ±5% 1/16W	NN05471610	RR17		482205130339	CHIP 33Ω 1/16W	NN05330610
RJ69		482205130273	CHIP 27kΩ ±5% 1/16W	NN05273610	RR18		482205130339	CHIP 33Ω 1/16W	NN05330610
RJ70		482205130273	CHIP 27kΩ ±5% 1/16W	NN05273610	RR19		482205130103	CHIP 10kΩ 1/16W	NN05103610
RJ71		482211712925	CHIP 47kΩ 1/16W	NN05473610	RR20		482205130103	CHIP 10kΩ 1/16W	NN05103610
RJ72		482211712925	CHIP 47kΩ 1/16W	NN05473610	RR21		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ73		482211682487	CHIP 0Ω 1/16W	NN05000610	RR22		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ74		482211682487	CHIP 0Ω 1/16W	NN05000610	RR23		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ75		482205130333	CHIP 33kΩ ±5% 1/16W	NN05333610	RR24		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ76		482205130333	CHIP 33kΩ ±5% 1/16W	NN05333610	RR25		482205130391	CHIP 390Ω 1/16W	NN05391610
RJ77		482205130683	CHIP 68kΩ 1/16W	NN05683610	RR26		482205130759	CHIP 75Ω 1/16W	NN05750610
RJ78		482205130683	CHIP 68kΩ 1/16W	NN05683610	RR27		482205130103	CHIP 10kΩ 1/16W	NN05103610
RJ79		482211713632	CHIP 100kΩ 1/16W	NN05104610	RR28		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ79		482205130332	CHIP 3.3kΩ 1/16W	NN05332610	RR29		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ80	8000	482205130474	CHIP 470kΩ 1/16W	NN05474610	RR30		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ80		482205130223	CHIP 22kΩ ± 5% 1/16W	NN05223610	RR31		482205130103	CHIP 10kΩ 1/16W	NN05103610
RJ81		482205130101	CHIP 100Ω 1/16W	NN05101610	RR33		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ82		482211712925	CHIP 47kΩ 1/16W	NN05473610	RR81				
RJ85		482205130103	CHIP 10kΩ 1/16W	NN05103610	∫		482205130103	CHIP 10kΩ 1/16W	NN05103610
RJ85		482211683819	CHIP 18kΩ 1/16W	NN05183610	RR84				
RJ89		482205130103	CHIP 10kΩ ±5% 1/16W	NN05103610	RR96		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ90		482205130123	CHIP 12kΩ ±5% 1/16W	NN05123610	RR97		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ91		482205130222	CHIP 2.2kΩ 1/16W	NN05222610	RR98		482211682487	CHIP 0Ω 1/16W	NN05000610
RJ92		482205130222	CHIP 2.2kΩ 1/16W	NN05222610					
RJ93		482211682487	CHIP 0Ω ±5% 1/16W	NN05000610					
RJ93		482205130103	CHIP 10kΩ ±5% 1/16W	NN05103610	D601		482213080522	CHIP DIODE 1SS300 DAP202U	HZ21006000
RJ94		482205130333	CHIP 33kΩ ±5% 1/16W	NN05333610	DD01		482213080522	CHIP DIODE 1SS300 DAP202U	HZ21006000
					DR01		482213081324	CHIP DIODE 1SS302	HZ20018050
RK01	7000	482205130472	CHIP 4.7kΩ 1/16W	NN05472610	DR02		482213081324	CHIP DIODE 1SS302	HZ20018050
RK02		482205130472	CHIP 4.7kΩ 1/16W	NN05472610	DR03		482213081324	CHIP DIODE 1SS302	HZ20018050
RK03		482205130272	CHIP 2.7kΩ 1/16W	NN05272610					
RK04		482205130272	CHIP 2.7kΩ 1/16W	NN05272610	Q601		996500001321	IC YSS912	HC10014640
RK05								DTS AC-3 DECODER	
∫		482205130103	CHIP 10kΩ 1/16W	NN05103610	Q602		996500002109	IC TC7W53FU	HC007105K0
RK08								LMOSLOGIC AMPX	
RK09					Q604		996500001324	IC 1M SRAM 8X128K	HC10088000
∫		482205130331	CHIP 330Ω 1/16W	NN05331610				15OR20 NS	
RK12					Q691		996500003399	MICROPROCESSOR SURR.	HU321JN00F
RK15		482205130472	CHIP 4.7kΩ 1/16W	NN05472610				μPD78018FGC-575-AB8	
RK16		482205130472	CHIP 4.7kΩ 1/16W	NN05472610	QD01		996500001319	AD1855 DAC 24BIT 96kHz	HC10013840
RK17		482211682487	CHIP 0Ω 1/16W	NN05000610	QD51		996500003397	IC BA033FP 3.3V 1A	HC96J33210
RK18		482211682487	CHIP 0Ω 1/16W	NN05000610				PD=1W VD=0.3V	
RK19	8000	482211682487	CHIP 0Ω 1/16W	NN05000610	QH01		482220917155	IC NJM2068M	HC10102090
RK20		482211682487	CHIP 0kΩ 1/16W	NN05000610	QH01		482220991175	IC NJM2114M OP AMP FLAT	HC10175090
RK22		482211712139	CHIP 22Ω 1/16W	NN05220610	QH02		482220991175	IC NJM2114M OP AMP FLAT	HC10175090
RK23		482211682487	CHIP 0Ω 1/16W	NN05000610	QJ01		482220917155	IC NJM2068M	HC10102090
RK24		482211682487	CHIP 0Ω 1/16W	NN05000610	QJ02		482220917155	IC NJM2068M	HC10102090
RK25		482205130562	CHIP 5.6kΩ 1/16W	NN05562610	QJ04		482220917155	IC NJM2068M	HC10102090
RK26		482205130562	CHIP 5.6kΩ 1/16W	NN05562610	QJ05		482220917155	IC NJM2068M	HC10102090
RK27		482205130272	CHIP 2.7kΩ 1/16W	NN05272610	QJ06		482213063601	CHIP TRS. 2SC4213	HX342132A0
RK28		482205130272	CHIP 2.7kΩ 1/16W	NN05272610	QJ07		482213063601	CHIP TRS. 2SC4213	HX342132A0
RK29		482205130472	CHIP 4.7kΩ 1/16W	NN05472610	QJ08		482213061903	DIG.TR.S. DTA114EU	BA10026210
RK30		482205130472	CHIP 4.7kΩ 1/16W	NN05472610	QJ09		482213061903	DIG.TR.S. DTA114EU	BA10026210
RK31		482205130105	CHIP 1.0MΩ 1/16W	NN05105610	QJ11		482213063601	CHIP TRS. 2SC4213	HX342132A0
					QJ12		482213063601	CHIP TRS. 2SC4213	HX342132A0
RR01		482205130759	CHIP 75Ω 1/16W	NN05750610	QK01		482220914615	IC NJM2115M	HC10172090
RR02		482205130759	CHIP 75Ω 1/16W	NN05750610	QK02		482220914615	IC NJM2115M	HC10172090
RR03		482205130759	CHIP 75Ω 1/16W	NN05750610	QK04		996500003390	IC AK4526	HC10022480
RR04		482205130102	CHIP 1kΩ 1/16W	NN05102610				2CH.ADC & 6CH.DAC	
RR05		482205130102	CHIP 1kΩ 1/16W	NN05102610	QK05		482213063601	CHIP TRS. 2SC4213	HX342132A0
RR06		482205130102	CHIP 1kΩ 1/16W	NN05102610	QK06		482213063601	CHIP TRS. 2SC4213	HX342132A0
RR07		482211713632	CHIP 100kΩ 1/16W	NN05104610	QK07		482213061903	DIG.TR.S. DTA114EU	BA10026210
RR08		482211713632	CHIP 100kΩ 1/16W	NN05104610	QR01		996500001341	IC CS8414	HC10004880
RR09		482211713632	CHIP 100kΩ 1/16W	NN05104610				DINTERFACE RECEIVER	
RR10		482205130472	CHIP 4.7kΩ 1/16W	NN05472610	QR02		996500001342	IC TC74HC151AF	HC715100Z0
RR11		482205130472	CHIP 4.7kΩ 1/16W	NN05472610	QR03		996500001342	IC TC74HC151AF	HC715100Z0
RR12		482205130472	CHIP 4.7kΩ 1/16W	NN05472610	QR04		482220930426	IC 74HC00 CMOS FLAT	HC700000Z0
RR13		482205130103	CHIP 10kΩ 1/16W	NN05103610	QR06		482220970988	IC 74HC125	HC712500B0
RR14		482205130103	CHIP 10kΩ 1/16W	NN05103610	QR07		482220931568	IC 74HCU04 CMOS FLAT	HC700400Z0

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QR08		482220933519	IC TC7W74F	HC10381050	CP15 }		482212423068	ELECT. 220μF 63V M RA-2	OA22706320
J691			<b>P604-MISCELLANEOUS</b>	YP06902090	CP18				
JD01			PLUG SOCKET 12P 12MQ-ST-L	YP06902090	CP19		482212411533	ELECT. 1μF100V RA-2	OA10510020
JR01		482226510682	PLUG SOCKET 12P 12MQ-ST-L	YT02030420	CP20		482212411533	ELECT. 1μF100V RA-2	OA10510020
JR01	8000		TERMINAL RCA 3P BLK NI	YT02030610	CP25 }		482212231211	CER. 100pF 500V	DK16101550
JR04		482221811487	TERMINAL RCA 3P BLK AU	YJ15000150	CP28				
			OPT. CONNECTOR GP1F32R						
JR05		482221811487	OPTICAL RECIVER GP1F32R	YJ15000150	CT01		482212422275	ELECT. 47μF M 10V RA-2	OA47601020
JR06	8000	482221811487	OPTICAL RECIVER GP1F32R	YJ15000150	CT05	/N	482212170437	FILM 1000pF J 100V APSV	OF15102540
JR07		482226731729	TERMINAL RCA 1P BLK NI	YT02010780	CT07		482212422276	ELECT. 47μF M 50V RA-2	OA47605020
JR07	8000	482229081638	TERMINAL RCA 1P BLK NI	YT02010790	CT09		482212231205	CER. 47pF J CH 50V BLK	DD15470300
JR08		482226731369	OPTICAL OUTPUT GP1F32T	YJ15000090	CT11	/N	996500003406	FILM 150pF J 100V APSV	OF15151540
L601		482224273843	EMI FILTER DSS306-91-F-223Z	FM12223010	CT13		482212490362	ELECT. 22μF M 50V RA-2	OA22605020
L691		482215710884	FERRITE INDUCTOR BLM11	FN31000010	CT15		482212423068	ELECT. 220μF 63V M RA-2	OA22706320
L693 }					CT17		482212423068	ELECT. 220μF 63V M RA-2	OA22706320
L697		482215710884	FERRITE INDUCTOR BLM11	FN31000010	CT19		482212411533	ELECT. 1μF100V RA-2	OA10510020
LD01		482252610584	FERRITE ZBF-503D-00TA	FC90090010	CT25		482212231211	CER. 100pF 500V	DK16101550
LD02	8000	482252610584	FERRITE ZBF-503D-00TA	FC90090010	CT27		482212231211	CER. 100pF 500V	DK16101550
LD03	8000	482252610584	FERRITE ZBF-503D-00TA	FC90090010				<b>P704-CAPACITORS (COMMON)</b>	
LD55		482224273843	EMI FILTER DSS306-91-F-223Z	FM12223010	<del>***</del>			PLASTIC FILM CAPACITOR	
LD58		482224273843	EMI FILTER DSS306-91-F-223Z	FM12223010				±5% 50V : C703 C704	
LH01		482252610584	FERRITE ZBF-503D-00TA	FC90090010				C705-C706/[K,U]	
LH02		482252610584	FERRITE ZBF-503D-00TA	FC90090010				C711-C712/[K,U] CP03-CP06	
LK01		482252610584	FERRITE ZBF-503D-00TA	FC90090010				CP11 CP12 CP21-CP24 CT03	
LK02		482252610584	FERRITE ZBF-503D-00TA	FC90090010				CT05/[K,U] CT11K/[U]	
LK03		482252610584	FERRITE ZBF-503D-00TA	FC90090010					
LR01		482214260422	PULSE TRNSF.	TP41042030	<del>***</del>			HIGH DIELECTRIC CONSTANT	
			TPS247MN-0386AN					CER. CAPACITOR ±10% 50V :	
LR02		482224273843	EMI FILTER DSS306-91-F-223Z	FM12223010				C721-C724 CT21 CT23	
X601		482224210851	CRYSTAL 12.288MHz AT-49	JX12013260				<b>P704-RESISTORS</b>	
X691		482224281727	SERAMIC VIB.	FQ01005010	▲ R709		482205022202	2.2kΩ ±5% 1/6W	GG05222160
			CST10.0MTW-TF01 10.0MHz		▲ R710		482205022202	2.2kΩ ±5% 1/6W	GG05222160
					▲ R713		482205022202	2.2kΩ ±5% 1/6W	GG05222160
					▲ R714		482205022202	2.2kΩ ±5% 1/6W	GG05222160
			<b>P704-5CH POWER AMP</b>		▲ R727 }				
			<b>CIRCUIT BOARD</b>		▲ R732		482205026809	68Ω 1/6W	GG05680160
			<b>P704-CAPACITORS</b>		R737				
C701		482212422275	ELECT. 47μF M 10V RA-2	OA47601020	R738		996500001566	TRIM. VAR. 2.2kΩ VERT	RA02220760
C702	/N	482212422275	ELECT. 47μF M 10V RA-2	OA47601020	▲ R739 }		996500001566	TRIM. VAR. 2.2kΩ VERT	RA02220760
C705	/N	482212170437	FILM 1000pF J 100V APSV	OF15102540	▲ R742		482205022209	22Ω J 1/4W	GG05220140
C706		482212170437	FILM 1000pF J 100V APSV	OF15102540	▲ R743 }				
C707		482212422276	ELECT. 47μF M 50V RA-2	OA47605020	▲ R746		482205210101	100Ω 1/6W	GG05101160
C708		482212422276	ELECT. 47μF M 50V RA-2	OA47605020	R747 }				
C709		482212231205	CER. 47pF J CH 50V BLK	DD15470300	R750			JUMPER	75060501P0
C710		482212231205	CER. 47pF J CH 50V BLK	DD15470300	▲ R751		482205021801	180Ω J 1/4W	GG05181140
C711	/N	996500003406	FILM 150pF J 100V APSV	OF15151540	▲ R752		482205021801	180Ω J 1/4W	GG05181140
C712	/N	996500003406	FILM 150pF J 100V APSV	OF15151540	▲ R759		482205210122	1.2kΩ ±5% 1/6W	GG05122160
C713		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	▲ R760		482205210122	1.2kΩ ±5% 1/6W	GG05122160
C714		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	▲ R761		482211380612	FIXED 0.18Ω K 5W X2	BZ10182020
C715 }								RGC55 W/T.P	
C718		482212423068	ELECT. 220μF 63V M RA-2	OA22706320	R762		482211380612	FIXED 0.18Ω K 5W X2	BZ10182020
C719		482212411533	ELECT. 1μF100V RA-2	OA10510020				RGC55 W/T.P	
C720		482212411533	ELECT. 1μF100V RA-2	OA10510020	▲ R763		482211683929	220Ω J 1/4W	GG05221140
C725 }					▲ R764		482211683929	220Ω J 1/4W	GG05221140
C728		482212231211	CER. 100pF 500V	DK16101550	R765		482205310109	10Ω ±5% 1W	GA05100010
					R766		482205310109	10Ω ±5% 1W	GA05100010
CP01		482212422275	ELECT. 47μF M 10V RA-2	OA47601020	R767		996500003407	TRIM. VAR. 22K VERTICAL	RA02230760
CP02		482212422275	ELECT. 47μF M 10V RA-2	OA47601020	R768		996500003407	TRIM. VAR. 22K VERTICAL	RA02230760
CP07		482212422276	ELECT. 47μF M 50V RA-2	OA47605020	▲ R773 }		482205210478	4.7Ω ±5% 1/6W	GG05047160
CP08		482212422276	ELECT. 47μF M 50V RA-2	OA47605020	▲ R776				
CP09		482212231205	CER. 47pF J CH 50V BLK	DD15470300					
CP10		482212231205	CER. 47pF J CH 50V BLK	DD15470300					
CP13		482212490362	ELECT. 22μF M 50V RA-2	OA22605020					
CP14		482212490362	ELECT. 22μF M 50V RA-2	OA22605020					





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▲ Q723		482213063119	TRS. 2SA1943 R OR O 230V 15A 150W	HT119432A0	KP16			TRS. KIT 2SA1837 2SC4793 HFE SELECTED RANK	HK183719C0
▲ Q724		482213063119	TRS. 2SA1943 R OR O 230V 15A 150W	HT119432A0	KP21			TRS. KIT 2SA1943 2SC5200 RR OR OO PAIR	HK194319C0
QP01					KP22			TRS. KIT 2SA1943 2SC5200 RR OR OO PAIR	HK194319C0
QP04		482213042949	TRS. 2SA970 GR OR BL	HT109702A0	KT09			TRS. KIT 2SA1360 2SC3423 PAIR O OR Y	HK136019C0
QP05		482213042999	TRS. 2SA1145 O OR Y	HT111452A0	KT15			TRS. KIT 2SA1837 2SC4793 HFE SELECTED RANK	HK183719C0
QP06		482213042999	TRS. 2SA1145 O OR Y	HT111452A0	KT21			TRS. KIT 2SA1943 2SC5200 RR OR OO PAIR	HK194319C0
QP07		482213043233	TRS. 2SC2240 GR OR BL	HT322402A0				<b>P704-MISCELLANEOUS</b>	
QP08		482213043233	TRS. 2SC2240 GR OR BL	HT322402A0	L701		482215770022	AIR COIL SPK CHOCK	ML08010030
QP09		532213061728	TRS. 2SA1360 O OR Y	HT113602A0	L702		482215770022	AIR COIL SPK CHOCK	ML08010030
QP10		532213061728	TRS. 2SA1360 O OR Y	HT113602A0	LP01		482215770022	AIR COIL SPK CHOCK	ML08010030
QP11		532213061737	TRS. 2SC3423 O OR Y	HT334232A0	LP02		482215770022	AIR COIL SPK CHOCK	ML08010030
QP12		532213061737	TRS. 2SC3423 O OR Y	HT334232A0	LT01		482215770022	AIR COIL SPK CHOCK	ML08010030
QP13		482213060117	TRS. 2SC3419 Y 40V 0.8A PC=1.2W 5W	HT334191Y0				<b>P754-SPK TERMINAL IRCUIT BOARD</b>	
QP14		482213060117	TRS. 2SC3419 Y 40V 0.8A PC=1.2W 5W	HT334191Y0				<b>P754-CAPACITORS</b>	
QP15		482213063635	TRS. 2SC4793 O Y	HT347932A0	CN51	/N	482212230103	CER. 0.022μF Z 50V	DK18223310
QP16		482213063635	TRS. 2SC4793 O Y	HT347932A0	CN52	/N	482212230103	CER. 0.022μF Z 50V	DK18223310
QP17		482213063634	TRS. 2SA1837 O Y	HT118372A0	CN53		482212240617	CER. 0.1μF 50V	DD38104010
QP18		482213063634	TRS. 2SA1837 O Y	HT118372A0	CN54		482212240617	CER. 0.1μF 50V	DD38104010
QP19		482213043233	TRS. 2SC2240 GR OR BL	HT322402A0	CN55	/N	482212230103	CER. 0.022μF Z 50V	DK18223310
QP20		482213043233	TRS. 2SC2240 GR OR BL	HT322402A0	CN56	/N	482212230103	CER. 0.022μF Z 50V	DK18223310
▲ QP21		482213011486	TRS. 2SC5200 R OR O 230V 15A 150W	HT352002A0	CN57		482212240617	CER. 0.1μF 50V	DD38104010
▲ QP22		482213011486	TRS. 2SC5200 R OR O 230V 15A 150W	HT352002A0	CN58		482212240617	CER. 0.1μF 50V	DD38104010
▲ QP23		482213063119	TRS. 2SA1943 R OR O 230V 15A 150W	HT119432A0	CN59	/N	482212230103	CER. 0.022μF Z 50V	DK18223310
▲ QP24		482213063119	TRS. 2SA1943 R OR O 230V 15A 150W	HT119432A0	CN60		482212240617	CER. 0.1μF 50V	DD38104010
QT01		482213042949	TRS. 2SA970 GR OR BL	HT109702A0				<b>P754-MISCELLANEOUS</b>	
QT03		482213042949	TRS. 2SA970 GR OR BL	HT109702A0	JN61		482226511199	TERMINAL SPK 6P	YT01060020
QT05		482213042999	TRS. 2SA1145 O OR Y	HT111452A0	JN62		482226511198	TERMINAL SPK 4P	YT01040790
QT07		482213043233	TRS. 2SC2240 GR OR BL	HT322402A0				<b>P904-RC-5 IN OUT DC-CONTROL CIRCUIT BOARD</b>	
QT09		532213061728	TRS. 2SA1360 O OR Y	HT113602A0				<b>P904-CAPACITORS</b>	
QT11		532213061737	TRS. 2SC3423 O OR Y	HT334232A0	C901		532212234098	CER. CHIP 0.01μF	DK56103300
QT13		482213060117	TRS. 2SC3419 Y 40V 0.8A PC=1.2W 5W	HT334191Y0	C902		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
QT15		482213063635	TRS. 2SC4793 O Y	HT347932A0	C903		532212234098	CER. CHIP 0.01μF	DK56103300
QT17		482213063634	TRS. 2SA1837 O Y	HT118372A0	C904		482212441534	ELECT. 10μF M 25V RA-2	OA10602520
QT19		482213043233	TRS. 2SC2240 GR OR BL	HT322402A0	C905		532212234098	CER. CHIP 0.01μF	DK56103300
▲ QT21		482213011486	TRS. 2SC5200 R OR O 230V 15A 150W	HT352002A0	C906		482211190892	CHIP CHIP 40Ω ±5% 1/10W	NI05000110
▲ QT23		482213063119	TRS. 2SA1943 R OR O 230V 15A 150W	HT119432A0	C907		532212234098	CER. CHIP 0.01μF	DK56103300
K709			TRS. KIT 2SA1360 2SC3423 PAIR O OR Y	HK136019C0	C908		532212234098	CER. CHIP 0.01μF	DK56103300
K710			TRS. KIT 2SA1360 2SC3423 PAIR O OR Y	HK136019C0	C909		482211190892	CHIP CHIP 40Ω ±5% 1/10W	NI05000110
K715			TRS. KIT 2SA1837 2SC4793 HFE SELECTED RANK	HK183719C0	C910		532212234098	CER. CHIP 0.01μF	DK56103300
K716			TRS. KIT 2SA1837 2SC4793 HFE SELECTED RANK	HK183719C0	C911		482212441543	ELECT. 1μF M 50V RA-2	OA10505020
K721			TRS. KIT 2SA1943 2SC5200 RR OR OO PAIR	HK194319C0	C912		532212234098	CER. CHIP 0.01μF	DK56103300
K722			TRS. KIT 2SA1943 2SC5200 RR OR OO PAIR	HK194319C0	C913		532212234098	CER. CHIP 0.01μF	DK56103300
KP09			TRS. KIT 2SA1360 2SC3423 PAIR O OR Y	HK136019C0	C914		482212441543	ELECT. 1μF M 50V RA-2	OA10505020
KP10			TRS. KIT 2SA1360 2SC3423 PAIR O OR Y	HK136019C0	C915		532212234098	CER. CHIP 0.01μF	DK56103300
KP15			TRS. KIT 2SA1837 2SC4793 HFE SELECTED RANK	HK183719C0				<b>P904-RESISTORS</b>	
					R901		482205120479	CHIP 47Ω ±5% 1/10W	NI05470110
					R902		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
					R903		482211711504	CHIP 270Ω ±5% 1/10W	NI05271110
					R904		482205120153	CHIP 220Ω ±5% 1/10W	NI05221110
					R905		482205120479	CHIP 47Ω ±5% 1/10W	NI05470110
					R906		482205120332	CHIP 3.3kΩ ±5% 1/10W	NI05332110
					R907		482211711449	CHIP 2.2kΩ ±5% 1/10W	NI05222110
					R908		996500003408	VAR. RK09D111 20kΩ B	RK02031090
					R909		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
					R910		482211711449	CHIP 2.2kΩ ±5% 1/10W	NI05222110
					R911		482205120332	CHIP 3.3kΩ ±5% 1/10W	NI05332110

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R912		482211711449	CHIP 2.2k $\Omega$ $\pm$ 5% 1/10W	NI05222110	QB03	/U	482220973674	IC NJM7806FA +6W 1A	HC38906090
R913		996500003408	VAR. RK09D111 20k $\Omega$ B	RK02031090	QB04	/U	482220914883	IC S-806C	HC10075530
R914		482211710833	CHIP 10k $\Omega$ $\pm$ 5% 1/10W	NI05103110					
R915		482211711449	CHIP 2.2k $\Omega$ $\pm$ 5% 1/10W	NI05222110					
			<b>P904-SEMICONDUCTORS</b>					<b>PB04-MISCELLANEOUS</b>	
Q901		482213061227	DIG.TRS.	BA10001000	▲ FB01	/U		FUSE 8A 125V SM8 UL CSA	FS10800540
▲ Q902		482213090347	DTA114ES UN4111 10K 10K PHOTO UNIT PC-817	HW10006320	JB05	/U		JACK 2P AC OUTLET	YJ04002040
Q903		482213060588	PHOTO CUPLER 1PAIR	BA20001000	▲ LB01	/U		CCT1304-0212	TS14831010
Q904		482213061227	DIG.TRS.	BA10001000	LB02	/U	482228080773	MAINS TRANSF. EI48-20T 120V 60Hz	LY10240240
Q905		482213043233	DTA114ES UN4211 10K 10K	HT322401A0				RELAY VS24MB-NR	
Q906		482213060588	TRS. 2SC2240 GR	BA20001000				TV-8 SEMKO LISTED	
Q907		482213061227	DIG.TRS.	BA10001000				<b>PB54-BACK UP</b>	
Q908		482213043233	DTA114ES UN4111 10K 10K	HT322401A0				<b>CIRCUIT BOARD FOR K N S</b>	
J902		996500003413	TRS. 2SC2240 GR	YT02021640				<b>PB54-CAPACITORS</b>	
J903		996500003414	DIG.TRS.	BA20001000	▲ CB51	/K,/N,/S	482212233276	CER. DE7150 F 103M VA1 KC	DK17103840
J904		996500003411	DTC114ES UN4211 10K 10K	BA10001000	CB52	/K,/N,/S	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310
J905		996500003411	DTA114ES UN4111 10K 10K	HT322401A0	CB53	/K,/N,/S	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310
			TRS. 2SC2240 GR	YT02021640	CB54	/K,/N,/S	482212441541	ELECT. 470 $\mu$ F M 35V RA-2	OA47703520
			<b>P904-MISCELLANEOUS</b>		CB55	/K,/N,/S	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310
			TERMINAL RCA 2P O F-G NI	YT02021640	CB56	/K,/N,/S	482212441541	ELECT. 470 $\mu$ F M 35V RA-2	OA47703520
			TERMINAL RCA 2P G F-G NI	YT02021650	CB57	/K,/N,/S	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310
			JACK LGY6501-0600	YJ01004670	CB58	/K,/N,/S	532212421731	ELECT. 10 $\mu$ F M 50V RA-2	OA10605020
			JACK LGY6501-0600	YJ01004670	CB59	/K,/N,/S	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310
			<b>PB04-BACK UP</b>		CB60	/K,/N,/S	482212440763	ELECT. 2.2 $\mu$ F M 50V RA-2	OA22505020
			<b>CIRCUIT BOARD FOR U</b>		CB61	/K,/N,/S	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310
			<b>PB04-CAPACITORS</b>		CB63	/K,/N,/S	482212490355	ELECT. 100 $\mu$ F M 50V RA-2	OA10705020
▲ CB01	/U	482212233276	CER. DE7150 F 103M VA1 KC	DK17103840	CB65	/K,/N,/S	482212480772	ELECT. 47 $\mu$ F M 35V RA-2	OA47603520
CB02	/U	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310	CB66	/K,/N,/S	482212441541	ELECT. 470 $\mu$ F M 35V	OA47703520
CB03	/U	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310				<b>PB54-RESISTORS</b>	
CB04	/U	482212441541	ELECT. 470 $\mu$ F M 35V RA-2	OA47703520	RB57	/K,/N,/S	482205310102	1k $\Omega$ $\pm$ 5% 1W	GA05102010
CB05	/U	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310	RB62	/K,/N,/S	482211710158	1 $\Omega$ J 1/4W	GG05010140
CB06	/U		ELECT. 470 $\mu$ F M 35V	EA47703510				<b>PB54-RESISTORS (COMMON)</b>	
CB07	/U	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310				CARBON FILM FIXED RES.	
CB08	/U	532212421731	ELECT. 10 $\mu$ F M 50V RA-2	OA10605020				$\pm$ 5% 1/6W :	
CB09	/U	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310				RB52-RB54 RB58 RB59	
CB10	/U	482212440763	ELECT. 2.2 $\mu$ F M 50V RA-2	OA22505020				<b>PB54-SEMICONDUCTORS</b>	
CB11	/U	482212230043	CER. 0.01 $\mu$ F Z 50V	DK18103310					
CB13	/U	482212490355	ELECT. 100 $\mu$ F M 50V RA-2	OA10705020	DB51	/K,/N,/S	482213082421	DIODE 1D3 1A 200V	HD20002710
CB15	/U	482212480772	ELECT. 47 $\mu$ F M 35V RA-2	OA47603520	DB56				
CB16	/U	482212441541	ELECT. 470 $\mu$ F M 35V	OA47703520	DB57	/K,/N,/S	482213010413	BRIDGE DIODE D2SBA20	HE20027290
			<b>PB04-RESISTORS</b>		DB58	/K,/N,/S	482213081247	DIODE WJ43	HD20031050
▲ RB01	/U		2.2M $\Omega$ $\pm$ 10% 1/2W FOR UL	RC10225820	DB61				
RB07	/U	482205310102	1k $\Omega$ $\pm$ 5% 1W	GA05102010	DB64	/K,/N,/S	482213082421	DIODE 1D3 1A 200V	HD20002710
RB12	/U	482211710158	1 $\Omega$ J 1/4W	GG05010140	DB66	/K,/N,/S	482213080273	ZENER DIODE 8.2V JUMPER	HD30821000
			<b>PB04-RESISTORS (COMMON)</b>		DB67	/K,/N,/S			75060501P0
			CARBON FILM FIXED RES.						
			$\pm$ 5% 1/6W :		QB51	/K,/N,/S	482213042949	TRS. 2SA970 GR OR BL	HT109702A0
			RB02-RB04 RB08 RB09		QB52	/K,/N,/S	482213060588	DIG.TRS.	BA20001000
			<b>PB04-SEMICONDUCTORS</b>					DTC114ES UN4211 10K 10K	
DB01	/U	482213082421	DIODE 1D3 1A 200V	HD20002710	QB53	/K,/N,/S	482220973674	IC NJM7806FA +6W 1A	HC38906090
DB06	/U				QB54	/K,/N,/S	482220914883	IC S-806C	HC10075530
DB07	/U	482213010413	BRIDGE DIODE D2SBA20	HE20027290				<b>PB54-SEMICONDUCTORS</b>	
DB08	/U	482213081247	DIODE WJ43	HD20031050	▲ FB51	/K,/N,/S	482207033152	FUSE T3.15A 250V BS LISTED	FS10315850
DB11	/U	482213082421	DIODE 1D3 1A 200V	HD20002710	▲ JB55	/N	482226731952	JACK AC OUTLET 2P N	YJ04002080
DB14	/U				▲ LB51	/K,/N,/S		MAINS TRANSF.	TS14831020
DB16	/U	482213080273	ZENER DIODE 8.2V	HD30821000				EI48-20T 220V 50Hz	
DB17	/U		JUMPER	75060501P0	LB52	/K,/N,/S	482228080773	RELAY VS24MB-NR	LY10240240
QB01	/U	482213042949	TRS. 2SA970 GR OR BL	HT109702A0				TV-8 SEMKO LISTED	
QB02	/U	482213060588	DIG.TRS.	BA20001000				<b>PB74-POWER SW</b>	
			DTC114ES UN4211 10K 10K					<b>CIRCUIT BOARD FOR N.K.S</b>	
					CB71	/K,/N,/S	482212233276	CER. SPERK KILLER 0.01 $\mu$ F	DK17103840
					▲ SB71	/K,/N,/S	996500001361	PUSH SWITCH SDDL B1	SP01012470
								POWER SW TV-5	

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
			<b>PG04-5CH E-VR PRE-OUT CIRCUIT BOARD PG04-CAPACITORS</b>						
CQ35	/U	482212233204	CER. CHIP 15pF	DD55150300	CG32	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CC01	/K,/U	532212234099	CER. CHIP 470pF	DK56471300	CG33	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CC01	/N,/S	532212610511	CER. CHIP 1000pF	DK56102300	CG33	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CC02	/K,/U	532212234099	CER. CHIP 470pF	DK56471300	CG34	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CC02	/N,/S	532212610511	CER. CHIP 1000pF	DK56102300	CG34	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CC03	/K,/U	532212234099	CER. CHIP 470pF	DK56471300	CG35	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CC03	/N,/S	532212610511	CER. CHIP 1000pF	DK56102300	CG35	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CC04	/K,/U	532212234099	CER. CHIP 470pF	DK56471300	CG36		532212610511	CER. CHIP 0.001μF	DK56102300
CC04	/N,/S	532212610511	CER. CHIP 1000pF	DK56102300	CG37		482212441535	ELECT. 100μF M 25V RA-2	OA10702520
CC05	/K,/U	532212234099	CER. CHIP 470pF	DK56471300	CG38		482212441535	ELECT. 100μF M 25V RA-2	OA10702520
CC05	/N,/S	532212610511	CER. CHIP 1000pF	DK56102300	CG39		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010
CC06	/K,/U	532212234099	CER. CHIP 470pF	DK56471300	CG40		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010
CC06	/N,/S	532212610511	CER. CHIP 1000pF	DK56102300	CG41				
CC07		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	}		532212234098	CER. CHIP 0.01μF	DK56103300
CC08		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	CG46				
CC09		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CG47		532212232448	CER. CHIP 10pF CH	DD51100300
CC10		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CG48		532212232448	CER. CHIP 10pF CH	DD51100300
CC11		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	CG49		532212232448	CER. CHIP 10pF CH	DD51100300
CC12		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CG51	7000	532212232531	CER. CHIP 100pF	DD55101300
CC13		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	CG52		532212232531	CER. CHIP 100pF	DD55101300
CC14		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CG53		532212232531	CER. CHIP 100pF	DD55101300
CC15		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	CG54	7000	532212232531	CER. CHIP 100pF	DD55101300
CC16		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CG55		532212232531	CER. CHIP 100pF	DD55101300
CC17		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	CG56		532212232531	CER. CHIP 100pF	DD55101300
CC18		532212421731	ELECT. 10μF M 50V RA-2	OA10605020					
CC19					CM51	8000	482212490362	ELECT. 22μF M 50V RA-2	OA22605020
}		532212234098	CER. CHIP 0.01μF	DK56103300	CM52	8000	482212490362	ELECT. 22μF M 50V RA-2	OA22605020
CC25					CM53	8000	482212142712	FILM 100pF 100V	DF15101550
CC32		482212441535	ELECT. 100μF M 25V RA-2	OA10702520	CM54	8000	482212142712	FILM 100pF 100V	DF15101550
CC33		482212441535	ELECT. 100μF M 25V RA-2	OA10702520	CM55	8000	482212231349	CER. 68pF J CH 50V BLK	DD15680300
CC34		532212234098	CER. CHIP 0.01μF	DK56103300	CM56	8000	482212231349	CER. 68pF J CH 50V BLK	DD15680300
CC35		532212234098	CER. CHIP 0.01μF	DK56103300	CM57	8000	996500000600	ELECT. 33μF M 25V RA-2	OA33602520
CC36		532212232531	CER. CHIP 100pF	DD55101300	CM58	8000	996500000600	ELECT. 33μF M 25V RA-2	OA33602520
CC37		532212232531	CER. CHIP 100pF	DD55101300	CM59	8000	482212142712	FILM 100pF 100V	DF15101550
CC38		532212232531	CER. CHIP 100pF	DD55101300	CM60	8000	482212142712	FILM 100pF 100V	DF15101550
CC40		532212232452	CER. CHIP 47pF	DD55470300	CM61	/K,/S,/U	482212490362	ELECT. 22μF 50V RA-2	OA22605020
					CM61	/N	9965000002015	ELECT. 22μF 50V ARS	OA22602540
					CM62	/K,/S,/U	482212490362	ELECT. 22μF 50V RA-2	OA22605020
					CM62	/N	9965000002015	ELECT. 22μF 25V ARS	OA22602540
					CM63		482212142327	FILM 470pF J M 50V	DF15471350
					CM64		482212142327	FILM 470pF J M 50V	DF15471350
CG01	7000	482212490362	ELECT. 22μF M 50V RA-2	OA22605020	CM65	8000			
CG02		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	}		482212240617	CER. 0.1μF +80 -20% 50V DC	DD38104010
CG03	7000	482212490362	ELECT. 22μF M 50V RA-2	OA22605020	CM68	8000			
CG04		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CM69				
CG05		482212490362	ELECT. 22μF M 50V RA-2	OA22605020	CM70		482212441535	ELECT. 100μF M 25V RA-2	OA10702520
CG06		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	}		482212441535	ELECT. 100μF M 25V RA-2	OA10702520
CG07	7000	996500000600	ELECT. 33μF M 25V RA-2	OA33602520	CM72				
CG08		532212421731	ELECT. 10μF M 50V RA-2	OA10605020					
CG09	7000	996500000600	ELECT. 33μF M 25V RA-2	OA33602520					
CG10		532212421731	ELECT. 10μF M 50V RA-2	OA10605020					
CG11		996500000600	ELECT. 33μF M 25V RA-2	OA33602520					
CG12		482212441539	ELECT. 47μF M 16V RA-2	OA47601620	RC01		482211710834	CHIP 47kΩ	NI05473110
CG13	7000	482212233514	CER. CHIP 68pF	DD55680300	}				
CG14		482212233514	CER. CHIP 68pF	DD55680300	RC05				
CG15	7000	482212233514	CER. CHIP 68pF	DD55680300	RC06		482205120273	CHIP 27kΩ 1/10W	NI05273110
CG16		482212233514	CER. CHIP 68pF	DD55680300	RC07				
CG17		482212233514	CER. CHIP 68pF	DD55680300	}		482205120102	CHIP 1kΩ 1/10W	NI05102110
CG18		482212233514	CER. CHIP 68pF	DD55680300	RC11				
CG21		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RC12		482205120223	CHIP 22kΩ 1/10W	NI05223110
CG22		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RC13				
CG23	/K,/S,/U	482212490362	ELECT. 22μF 50V RA-2	OA22605020	}		482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110
CG23	/N	9965000002015	ELECT. 22μF 25V ARS	OA22602540	RC18				
CG24		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RC57		482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110
CG27		532212234099	CER. CHIP 470pF	DK56471300	RC58		482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110
CG28		532212234099	CER. CHIP 470pF	DK56471300	RC59		482205120101	CHIP 100Ω ±5% 1/10W	NI05101110
CG29		532212234099	CER. CHIP 470pF	DK56471300	RC60		482205120101	CHIP 100Ω ±5% 1/10W	NI05101110
CG30		532212610511	CER. CHIP 0.001μF	DK56102300	RC61		482205120101	CHIP 100Ω ±5% 1/10W	NI05101110
CG31	/K,/U	532212610794	CER. CHIP 220pF	DK56221300					
CG31	/N,/S	532212234099	CER. CHIP 470pF	DK56471300	RG01				
CG32	/K,/U	532212610794	CER. CHIP 220pF	DK56221300	}		482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110
					RG06				

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
RG07	8000	482211710833	CHIP 10kΩ 1/10W	NI05103110	DM51	8000	996500003401	CHIP DIODE RB425D	HZ20030210
RG07		482211190892	0kΩ 1/10W	NI05000110	DM52	8000	996500003401	CHIP DIODE RB425D	HZ20030210
RG08		482211710833	CHIP 10kΩ 1/10W	NI05103110	QC01		482220917155	IC NJM2068M FLAT	HC10102090
RG09		482211710833	CHIP 10kΩ 1/10W	NI05103110	QC02		482220917155	IC NJM2068M FLAT	HC10102090
RG09	8000	482211190892	0kΩ 1/10W	NI05000110	QC03		482220917155	IC NJM2068M FLAT	HC10102090
RG10		482211710833	CHIP 10kΩ 1/10W	NI05103110	QC04		482220932553	IC LC78212	HC10309030
RG11		482211710833	CHIP 10kΩ 1/10W	NI05103110	QG01		996500003395	IC ELE.VOL TC9482N	HC10456050
RG12		482211710833	CHIP 10kΩ 1/10W	NI05103110	QG02		482220917155	IC NJM2068M FLAT	HC10102090
RG13					QG03		482220917155	IC NJM2068M FLAT	HC10102090
RG17		482211190918	CHIP 4.7kΩ ±5% 1/10W	NI05472110	QG04		482220917155	IC NJM2068M FLAT	HC10102090
RG18		482211711449	CHIP 2.2kΩ ±5% 1/10W	NI05222110	QG05				
RG19	8000	482205120564	560kΩ ± 5% 1/10W	NI05564110	QG05		482213011511	CHIP TRS. 2SC3326 A OR B	HX333262A0
RG20	8000	482205120564	560kΩ ± 5% 1/10W	NI05564110	QG10				
RG21					QG11	/K,/N,/S	482213042292	TRS. 2SC2120 O	HT321201A0
RG24		482211710834	CHIP 47kΩ	NI05473110	QM51	8000	482213042949	TRS 2SA970 GR OR BL	HT109702A0
RG25	7000	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	QM52	8000	482213042949	TRS 2SA970 GR OR BL	HT109702A0
RG26	7000	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	QM53	8000	482213043233	TRS 2SC2240 GR OR BL	HT322402A0
RG27					QM54	8000	482213043233	TRS 2SC2240 GR OR BL	HT322402A0
RG27		482205120391	CHIP 390Ω ±5% 1/10W	NI05391110	QM55	8000	482213043283	TRS 2SC2705 O OR Y	HT327052A0
RG30					QM56	8000	482213043283	TRS 2SC2705 O OR Y	HT327052A0
RG31					QM57	8000	482213042999	TRS 2SA1145 O OR Y	HT111452A0
RG31					QM58	8000	482213042999	TRS 2SA1145 O OR Y	HT111452A0
RG36		482205120101	CHIP 100Ω ±5% 1/10W	NI05101110					
RG37					JC01		996500003418	<b>PG04-MISCELLANEOUS</b>	
RG37		482211190918	CHIP 4.7kΩ	NI05472110	JC01	8000		TERMINAL RCA 6P BLK NI	YT02060680
RG42					JG01		996500003418	TERMINAL RCA 6P BLK AU	YT02060690
RG43	/K,/N,/S	482211710833	CHIP 10kΩ 1/10W	NI05103110	JG01	8000		TERMINAL RCA 6P BLK NI	YT02060680
RG44	/K,/N,/S	482211710833	CHIP 10kΩ 1/10W	NI05103110	JG02			TERMINAL RCA 6P BLK AU	YT02060690
RG45	/K,/N,/S	482211390141	FUSE 220Ω G 1/4W	NF02221140	JG03			PLUG 05MQ-ST-L	YP06902270
RG49	8000	482211190892	0kΩ 1/10W	NI05000110	JG04			PLUG SOCKET 12P	YP06902090
RG50	8000	482211190892	0kΩ 1/10W	NI05000110	LG01	/K,/N,/S	9965000001576	RELAY MR82-24USR	LY20240480
RG51		482205120102	CHIP 1kΩ 1/10W	NI05102110	LG02	/K,/N,/S	9965000001576	RELAY MR82-24USR	LY20240480
RG52		482205120102	CHIP 1kΩ 1/10W	NI05102110	LG03	/K,/N,/S	9965000001576	RELAY MR82-24USR	LY20240480
RG53		482205120102	CHIP 1kΩ 1/10W	NI05102110	LG05				
RG58	7000	482205120393	CHIP 39kΩ ±5% 1/10W	NI05393110	LG05		482211190892	CHIP 0Ω 1/10W	NI05000110
RG59		482205120393	CHIP 39kΩ ±5% 1/10W	NI05393110	LG10				
RG60	7000	482205120393	CHIP 39kΩ ±5% 1/10W	NI05393110					
RG61		482205120393	CHIP 39kΩ ±5% 1/10W	NI05393110				<b>PL04-CVBS FUNCTION</b>	
RG62		482205120393	CHIP 39kΩ ±5% 1/10W	NI05393110				<b>CIRCUIT BOARD</b>	
RG63		482205120223	CHIP 22kΩ ±5% 1/10W	NI05223110				<b>PL04-CAPACITORS</b>	
RM51	8000	482211191192	470kΩ ± 5% 1/10W	NI05471110	CL02		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM52	8000	482211191192	470kΩ ± 5% 1/10W	NI05471110	CL03		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM53	8000	482211190896	100kΩ ± 5% 1/10W	NI05104110	CL04		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM54	8000	482211190896	100kΩ ± 5% 1/10W	NI05104110	CL06		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM55	8000	482211710833	10kΩ ± 5% 1/10W	NI05103110	CL08		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM56	8000	482211710833	10kΩ ± 5% 1/10W	NI05103110	CL09		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM57	8000	482211190918	4.7kΩ ± 5% 1/10W	NI05472110	CL10		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM58	8000	482211190918	4.7kΩ ± 5% 1/10W	NI05472110	CL11			JUMPER	75060501P0
RM59					CL13		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM59					CL14			JUMPER	75060501P0
RM62	8000	482205120153	15kΩ ± 5% 1/10W	NI05153110	CL15		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM63					CL16		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM63					CL17		532212234098	CER. CHIP 0.01μF	DK56103300
RM66	8000	482211191459	22kΩ ± 5% 1/10W	NI05220110	CL18		532212234098	CER. CHIP 0.01μF	DK56103300
RM67		482205120391	CHIP 390Ω ±5% 1/10W	NI05391110	CL19		532212421731	ELECT. 10μF M 50V RA-2	OA10605020
RM68		482205120391	CHIP 390Ω ±5% 1/10W	NI05391110	CL20		482212440763	ELECT. 2.2μF M 50V RA-2	OA22505020
RM69		482211710834	CHIP 47kΩ	NI05473110	CL21			JUMPER	75060501P0
RM70		482211710834	CHIP 47kΩ	NI05473110	CL21	8000	482212440763	ELECT. 2.2μF M 50V RA-2	OA22505020
RM71	7000	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	CL24		532212234098	CER. CHIP 0.01μF	DK56103300
RM72	7000	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	CL25		482212440763	ELECT. 2.2μF M 50V RA-2	OA22505020
RM73	8000	482205120393	39kΩ ± 5% 1/10W	NI05393110	CL26		482212441543	ELECT. 1μF M 50V RA-2	OA10505020
RM74	8000	482205120393	39kΩ ± 5% 1/10W	NI05393110	CL27		482212441543	ELECT. 1μF M 50V RA-2	OA10505020
					CL28			CER. CHIP 1200pF	DK56122300
					CL29		532212234098	CER. CHIP 0.01μF	DK56103300
					CL30		482212490353	ELECT. 100μF M 10V RA-2	OA10701020
DG01	/K,/N,/S	996500003401	CHIP DIODE RB425D	HZ20030210	CL31		482212441543	ELECT. 1μF M 50V RA-2	OA10505020
DG02	/K,/N,/S	996500003401	CHIP DIODE RB425D	HZ20030210	CL32		532212234098	CER. CHIP 0.01μF	DK56103300
DG03	/K,/N,/S	996500003401	CHIP DIODE RB425D	HZ20030210	CL33		482212490353	ELECT. 100μF M 10V RA-2	OA10701020
			<b>PG04-SEMICONDUCTORS</b>						

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
CL35		532212232658	CER. CHIP 22pF	DD55220300	RL15		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL36		482212611591	CER. CHIP 24pF J CH 50V BLK	DD15240300	RL16		482205120822	CHIP 8.2kΩ ±5% 1/10W	NI05822110
CL37	/K,/N,/S	482212233204	CER. CHIP 15pF	DD55150300	RL17		482205120153	CHIP 220Ω ±5% 1/10W	NI05221110
CL37	/U	532212232658	CER. CHIP 22pF	DD55220300	RL18		482205120153	CHIP 220Ω ±5% 1/10W	NI05221110
CL38	/K,/N,/S	482212233204	CER. CHIP 15pF	DD55150300	RL19		482211190892	CHIP 0Ω ±5% 1/10W	NI05000110
CL38	/U	532212232658	CER. CHIP 22pF	DD55220300	RL20		482205120105	CHIP 1MΩ ±5% 1/10W	NI05105110
CL39		482212441543	ELECT. 1μF M 50V RA-2	OA10505020	RL21		482211710834	CHIP 47kΩ ±5% 1/10W	NI05473110
CL40		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RL22		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL41		996500001040	ELECT. 470μF M 6.3V RA-2	OA47700620	RL23		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL42		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RL24		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL43		532212234098	CER. CHIP 0.01μF	DK56103300	RL25		482205120153	CHIP 220Ω ±5% 1/10W	NI05221110
CL44		482212490352	ELECT. 10μF M 16V RA-2	OA10601620	RL26		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL45		532212234098	CER. CHIP 0.01μF	DK56103300	RL27		482211190892	CHIP 0Ω ±5% 1/10W	NI05000110
CL46		482212490352	ELECT. 10μF M 16V RA-2	OA10601620	RL30		482211710834	CHIP 47kΩ ±5% 1/10W	NI05473110
CL47		532212234098	CER. CHIP 0.01μF	DK56103300	RL31		482205120101	CHIP 100Ω ±5% 1/10W	NI05101110
CL48		532212234098	CER. CHIP 0.01μF	DK56103300	RL32		482205120101	CHIP 100Ω ±5% 1/10W	NI05101110
CL49		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RL34		482211712521	CHIP 68Ω ±5% 1/10W	NI05680110
CL50		482212490353	ELECT. 100μF 10V M RE-	OA10701020	RL61	8000	482211190896	100kΩ ± 5% 1/10W	NI05104110
CL51		482212490353	ELECT. 100μF M 10V RA-2	OA10701020	RL62	8000	482211710833	10kΩ ± 5% 1/10W	NI05103110
CL52		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RL63	8000	482205120822	8.2kΩ ± 5% 1/10W	NI05822110
CL53		532212232658	CER. CHIP 22pF	DD55220300	RL64	8000	482205120153	220kΩ ± 5% 1/10W	NI05221110
CL54		532212232658	CER. CHIP 22pF	DD55220300	RL65	8000	482205120153	220kΩ ± 5% 1/10W	NI05221110
CL55		532212234098	CER. CHIP 0.01μF	DK56103300	RL66	8000	482211710833	10kΩ ± 5% 1/10W	NI05103110
CL56		532212234098	CER. CHIP 0.01μF	DK56103300	RL67	8000	482211710833	10kΩ ± 5% 1/10W	NI05103110
CL58		532212232452	CER. CHIP 47pF CH	DD55470300	RL68	8000	482211190892	0kΩ ± 5% 1/10W	NI05000110
CL59		532212232452	CER. CHIP 47pF CH	DD55470300	RL69	8000	482205120105	1MkΩ ± 5% 1/10W	NI05105110
CL60		532212232452	CER. CHIP 47pF CH	DD55470300	RL70	8000	482211710834	47kΩ ± 5% 1/10W	NI05473110
CL61		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RL71	8000	482211710833	10kΩ ± 5% 1/10W	NI05103110
CL62					RL72		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL67		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	RL73		482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110
CL68	8000	482212441543	ELECT. 1μF M 50V RA-2	OA10505020	RL75	/U		JUMPER	75060501P0
CL69	8000		CER. CHIP 1200pF	DK56122300	RL75	/U		JUMPER	75060501P0
CL70	8000	482212441543	ELECT. 1μF M 50V RA-2	OA10505020	RL76	8000	482211190892	0kΩ ± 5% 1/10W	NI05000110
CL71	8000	532212234098	CER. CHIP 0.01μF	DK56103300	RL78	7000	482211190892	CHIP 0Ω ±5% 1/10W	NI05000110
CL72	8000	482212490353	ELECT. 100μF M 10V RA-2	OA10701020	RY61		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL73	8000	482212441543	ELECT. 1μF M 50V RA-2	OA10505020	RY62		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL74	8000	532212234098	CER. CHIP 0.01UF	DK56103300	RY63		482211710833	CHIP 10kΩ ±5% 1/10W	NI05103110
CL75	8000	482212490353	ELECT. 100μF M 10V RA-2	OA10701020	RY64		482211711454	CHIP 820Ω ±5% 1/10W	NI05821110
CL77	8000	532212232658	CER. CHIP 22pF	DD55220300				<b>PL04-SEMICONDUCTORS</b>	
CL78	8000	482212611591	CER. 24pF J CH 50V BLK	DD15240300	DL01		996500003401	CHIP DIODE RB425D	HZ20030210
CL79	8000	482212233204	CER. CHIP 15pF	DD55150300	DL03		482213082421	DIODE 1D3 1A 200V	HD20002710
CL79	8000 /U	532212232658	CER. CHIP 22pF	DD55220300	DL61	8000	996500003401	CHIP DIODE RB425D	HZ20030210
CL80	8000	482212233204	CER. CHIP 15pF	DD55150300	DL62	8000	996500003401	CHIP DIODE RB425D	HZ20030210
CL80	8000 /U	532212232658	CER. CHIP 22pF	DD55220300	DL63	8000	996500003401	CHIP DIODE RB425D	HZ20030210
CL81	8000	482212441543	ELECT. 1μF M 50V RA-2	OA10505020	DY61		996500003401	CHIP DIODE RB425D	HZ20030210
CL82		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	DY62		996500003401	CHIP DIODE RB425D	HZ20030210
CL83		532212421731	ELECT. 10μF M 50V RA-2	OA10605020					
CL84					QL01		996500003394	IC NJM2296M	HC10210090
CL84		532212234098	CER. CHIP 0.01μF	DK56103300	QL02		996500003393	IC NJM2283M	HC10209090
CY61					QL03		996500003392	IC NJM2267M	HC10208090
CY62		532212234099	CER. CHIP 470pF	DK56471300	QL04		482220915524	IC OSD IC LC74781	HC10377030
			<b>PL04-RESISTORS</b>		QL05		482213041947	TRS. 2SC536SP ETC	HT30001000
RL01		482205120829	CHIP 82Ω ±5% 1/10W	NI05820110	QL06		482213041947	TRS. 2SC536SP ETC	HT30001000
RL02		482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	QL07	/K,/N,/S	482213061189	DIG.TRS.	BA20004000
RL03		482205120829	CHIP 82Ω ±5% 1/10W	NI05820110	QL08	/K,/N,/S	482213061189	DTC114TS UN4215 10K	BA20004000
RL04		482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	QL09	/K,/N,/S	482213061227	DIG.TRS.	BA10001000
RL05		482205120829	CHIP 82Ω ±5% 1/10W	NI05820110	QL10		482213041947	DTA114ES UN4111 10K 10K	
RL06		482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	QL61		996500001371	TRS. 2SC536SP ETC	HT30001000
RL07		482205120829	CHIP 82Ω ±5% 1/10W	NI05820110	QL62	8000	482220915524	IC MM1140XF VIDEO SW.	HC10083550
RL08		482211190892	CHIP 0Ω ±5% 1/10W	NI05000110	QL63	8000	482213041947	IC OSD LC74781	HC10377030
RL09		482205120759	CHIP 75Ω ±5% 1/10W	NI05750110				TRS. 2SC2458 2SC1740S	HT30001000
RL10		482205120829	CHIP 82Ω ±5% 1/10W	NI05820110	QL64	8000	482213061189	2SC3199 ETC.	
RL11		482211190892	CHIP 0Ω ±5% 1/10W	NI05000110		/K,/S		DIG.TRS.	BA20004000
RL12		482205120759	CHIP 75Ω ±5% 1/10W	NI05750110	QL65	8000	482213061189	DTC114TS/UN4215 10K	
RL13		482205120759	CHIP 75Ω ±5% 1/10W	NI05750110		/K,/S		DIG.TRS.	BA20004000
RL14		482211190896	CHIP 100kΩ ±5% 1/10W	NI05104110				DTC114TS/UN4215 10K	



POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
QX08	/K,/N,/S	482213061189	DIG.TRS.	BA20004000	R***	8000		<b>PM01-HDAM CIRCUIT BOARD [SR8000 ONLY]</b> <b>PM01-RESISTORS (COMMON)</b> CARBON FILM FIXED RES. ±5% 1/6W : ALL	
QX09	/K,/N,/S	482213061227	DIG.TRS.	BA10001000					
QX10		482213041947	TRS. 2SC536SP ETC	HT30001000					
QX11		996500003391	IC NJM2264M JRC	HC10077090					
QX12		482213041947	TRS. 2SC536SP ETC	HT30001000					
			<b>PL54-MISCELLANEOUS</b>		DM02	}	8000	482213032362	DIODE 1SS176 MA165 1SS254 30V 0.1A
JX01		482226531302	TERMINAL 3P S-VIDEO NI	YT02030350	DM05				
JX01		996500001375	3P S-VIDEO JACK GOLD	YT02030550					
JX02		482226531302	TERMINAL 3P S-VIDEO NI	YT02030350	QM01	8000	482213042839	TRS. 2SK369 BL	HF203690
JX02		996500001375	TERMINAL 3P S-VIDEO GOLD	YT02030550				VGDS-40V PD0.4W	
JX03		482226520725	TERMINAL 2P S-VIDEO NI	YT02021320	QM02	8000	482213042839	TRS. 2SK369 BL	HF203690
JX03		996500001376	TERMINAL 2P S-VIDEO GOLD	YT02021520				VGDS-40V PD0.4W	
LX01		996500003404	CHIP INDUCTANCE 33μH	LU15333010	QM03	8000	482213043233	TRS. 2SC2240 GR OR BL	HT322402A0
LX02		482224273843	EMI FILTER DSS306-91-F-223Z	FM12223010	QM04	8000	482213042949	TRS. 2SA970 GR OR BL	HT109702A0
XX01		482224280288	CRYSTAL 14.31818MHz	JX14001260	QM05	8000	482213042949	TRS. 2SA970 GR OR BL	HT109702A0
XX02	/K,/N,/S	482224273903	CRYSTAL 17.31818MHz	JX17001260	QM06	8000	482213043233	TRS. 2SC2240 GR OR BL	HT322402A0
			<b>PL74-AUX INPUT CIRCUIT BOARD</b>					<b>PS04-AUDIO FUNCTION 1 CIRCUIT BOARD</b>	
			<b>PL74-CAPACITORS</b>					<b>PS04-CAPACITORS</b>	
CL71	/S		CER. 470pF K 50V	DK16471300	CS01	}	532212421731	ELECT. 10μF M 50V RA-2	OA10605020
CL73	/N,/S	482212231205	CER. 47pF J CH 50V BLK	DD15470300	CS06				
CL73	/S	482212231205	CER. 47pF J CH 50V BLK	DD15470300	CS07	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CL74	/N,/S	482212231205	CER. 47pF J CH 50V BLK	DD15470300	CS07	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CL74	/S	482212231205	CER. 47pF J CH 50V BLK	DD15470300	CS08	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CL75		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CS08	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CL75	8000	532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CS09	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CL76		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CS09	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CL76	8000	532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CS10	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CL77		482212230043	CER. 0.01μF Z 50V	DK18103310	CS10	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CL77	8000	482212230043	CER. 0.01μF Z 50V	DK18103310	CS11	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CL78		482212230043	CER. 0.01μF Z 50V	DK18103310	CS11	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CL78	8000	482212230043	CER. 0.01μF Z 50V	DK18103310	CS12	/K,/U	532212610794	CER. CHIP 220pF	DK56221300
CL81		482212490354	ELECT. 100μF M 16V RA-2	OA10701620	CS12	/N,/S	532212234099	CER. CHIP 470pF	DK56471300
CL81	8000	482212490354	ELECT. 100μF M 16V RA-2	OA10701620	CS13	/K,/U	482212233204	CER. CHIP 15pF	DD55150300
CL82		482212490354	ELECT. 100μF M 16V RA-2	OA10701620	CS13	/N,/S	532212232452	CER. CHIP 47pF	DD55470300
CL91		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CS14	/K,/U	482212233204	CER. CHIP 15pF	DD55150300
CL92		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CS14	/N,/S	532212232452	CER. CHIP 47pF	DD55470300
CL93					CS15	/K,/U	482212233204	CER. CHIP 15pF	DD55150300
CL96			JUMPER	75060501P0	CS15	/N,/S	532212232452	CER. CHIP 47pF	DD55470300
					CS16	/K,/U	482212233204	CER. CHIP 15pF	DD55150300
					CS16	/N,/S	532212232452	CER. CHIP 47pF	DD55470300
			<b>PL74-CAPACITORS (COMMON)</b>		CS17	/K,/U	482212233204	CER. CHIP 15pF	DD55150300
			HIGH DIELECTRIC CONSTANT		CS17	/N,/S	532212232452	CER. CHIP 47pF	DD55470300
			CER. CAPACITOR ±10% 50V :		CS18	/K,/U	482212233204	CER. CHIP 15pF	DD55150300
			CL71-CL72(/N,/S)		CS18	/N,/S	532212232452	CER. CHIP 47pF	DD55470300
					CS19				
			<b>PL74-RESISTORS</b>				482212233127	CER. CHIP 2200pF	DK56222300
RL71	8000		1kΩ ±5% 1/6W	GD05102160	CS22				
RL91		482211141355	75Ω ±5% 1/6W	GD05750160	CS23				
RL92		482211141355	75Ω ±5% 1/6W	GD05750160			532212234098	CER. CHIP 0.01μF	DK56103300
RL93		482211141355	75Ω ±5% 1/6W	GD05750160	CS28				
RL94			JUMPER	75060501P0	CS29		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010
RL95			JUMPER	75060501P0	CS30		482212490354	ELECT. 100μF M 16V RA-2	OA10701620
RL96			JUMPER	75060501P0	CS31		482212490354	ELECT. 100μF M 16V RA-2	OA10701620
					CS32		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010
			<b>PL74-RESISTORS (COMMON)</b>		CS33		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010
			CARBON FILM FIXED RES.		CS34		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010
			±5% 1/6W :		CS51				
			RL71-RL74 RL79 RL80				482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020
					CS54				
			<b>PL74-SEMICONDUCTOR</b>		CS55		532212234098	CER. CHIP 0.01μF	DK56103300
QL71		482220983631	IC NJM4558D-D	HC10008090	CS56		532212234098	CER. CHIP 0.01μF	DK56103300
					CS57		482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020
			<b>PL74-MISCELLANEOUS</b>		CS58		482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020
JL71		996500001347	RCA JACK 3P + S-TERMINAL	BY04040030	CS59		532212421731	ELECT. 10μF M 50V RA-2	OA10605020





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CQ41 }		482212233127	CER. CHIP 2200pF	DK56222300	CU15 CU16		482212423056 482212490406	ELECT 47μF 10V BIG ELECT CAP	EJ47601010 EX22300530
CQ44								FMOH223ZTP16 SUPER	
CQ45		482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020	CU17		482212240588	CER. 0.022μF TP050F223Z	DA17223110
CQ46		482212480067	ELECT. 4.7μF M 50V RA-2	OA47505020	CU18		996500000368	CER. 0.047μF 50V	DA17473110
CQ47		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CU19		996500000368	CER. 0.047μF 50V	DA17473110
CQ48		532212421731	ELECT. 10μF M 50V RA-2	OA10605020	CU22		482212610935	ELECT 100μF 6.3V	EJ10700610
CQ49		532212234098	CER. CHIP 0.01μF	DK56103300					
CQ50		532212234098	CER. CHIP 0.01μF	DK56103300					
CQ51		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010					
CQ52		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010					
CQ53		482212490355	ELECT. 100μF M 50V RA-2	OA10705020					
CQ54		482212490354	ELECT. 100μF M 16V RA-2	OA10701620					
CQ55 }		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010					
CQ58									
CQ60		482212240617	CER. 0.1μF +80%-20% 50V DC	DD38104010					



POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
▲ Q825		482220930258	IC NJM7905FA	HC39905090
QN01		482220983312	IC TA7317P	HC10042050
QN02		482213042594	DIG.TRS. DTC144ES UN4213 47K 47K	BA20002000
QN03		482213042949	TRS. 2SA970 GR OR BL	HT109702A0
QN04		482213060696	TRS. 2SC1627 O Y 8 OV 300MA 600MW TO	HT316272B0
QN05		482213042594	DIG.TRS. DTC144ES UN4213 47K 47K	BA20002000
QN06		482213060526	TRS. 2SD1508 HFE>4000	HT415080A0
QY01		532220911532	IC 74HC4094 16PIN	HC709449B0
QY02		532220911532	IC 74HC4094 16PIN	HC709449B0
QY03				
QY08		482213061227	DIG.TRS. DTC114ES UN4211 10K 10K	BA10001000
QY09		482220962784	IC TC9215P ANALOGUE SW.	HC10262050
QY10		482220983631	IC NJM4558D-D	HC10008090
QY11		482213060588	DIG.TRS. DTC114ES UN4211 10K 10K	BA20001000
QY12	/K,/N,/S	482213060588	DIG.TRS. DTC114ES UN4211 10K.10K	BA20001000
QY13	/K,/N,/S	482213061227	DIG.TRS. DTC114ES UN4211 10K.10K	BA10001000
<b>PY04-MISCELLANEOUS</b>				
▲ F821	/K,/N,/S	482225330415	FUSE 1.6 A 250V BS LISTED	FS10160850
▲ F821	/U		FUSE 2A 125V UL CSA MITI FBT	FS10200350
▲ F822	/K,/N,/S	482225330415	FUSE 1.6 A 250V BS LISTED	FS10160850
▲ F822	/U		FUSE 2A 125V UL CSA MITI FBT	FS10200350
▲ F823	/K,/N,/S	482225330415	FUSE 1.6 A 250V BS LISTED	FS10160850
▲ F823	/U		FUSE 2A 125V UL CSA MITI FBT	FS10200350
▲ F824	/K,/N,/S	482225330415	FUSE 1.6 A 250V BS LISTED	FS10160850
▲ F824	/U		FUSE 2A 125V UL CSA MITI FBT	FS10200350
JY01			JACK 33FE-BT-VK-N 33PIN	YJ07020660
LN01		482228010305	RELAY VB-18MBU-565-UL3	LY20180020
LN02		482228010305	RELAY VB-18MBU-565-UL3	LY20180020
LN03		482228010305	RELAY VB-18MBU-565-UL3	LY20180020
LN04		996500001576	RELAY MR82-24USR	LY20240480
LY01				
LY04		482224273843	EMI FILTER DSS306-91-F-223Z	FM12223010